

APPROVED

NAVY TRAINING SYSTEM PLAN

FOR THE

AIM-7M/P

SPARROW MISSILE SYSTEM

N88-NTSP-A-50-8008C/A

MAY 1998

AIM-7M/P SPARROW MISSILE SYSTEM

EXECUTIVE SUMMARY

The AIM-7M/P Sparrow Missile is employed during air-to-air combat missions by Navy F-14, Navy and Marine Corps F/A-18, and Air Force F-15 and F-16 aircraft. The AIM-7 (series) is used primarily to neutralize the threat of high performance enemy aircraft. It is a supersonic, medium-range missile with Defensive Counter Countermeasure capabilities, which includes Electronic Protection from Electronic Attack. It guides on radio frequency energy, processing radar signals received via its rear signal receiver from the launch platform's radar system and reflected target energy received directly from the target. The AIM-7M/P is controlled in flight by four movable delta platform wings. Missile stability is provided by four fixed delta fins which are located in-line with the forward wings. Missile propulsion is provided by a dual-thrust, solid propellant rocket motor. An active radio frequency fuze detonates the warhead when the missile is within lethal range of the target. Requirements for a dual mode seeker AIM-7R were rescinded in FY96.

The AIM-7M/P Sparrow Missile System consists of: (1) the radar guided missile; (2) the support equipment consisting of test and handling equipment, tools, reusable containers; and (3) the aircraft equipment required to launch the missile.

The AIM-7M/P Sparrow Missile maintenance concept is based on an overall objective to assure All-Up-Rounds are available to fulfill the commitments of operational activities and provide the means to restore unserviceable missiles to serviceable condition with minimal downtime. Maintenance requirements are allocated to the organizational, intermediate, and depot levels of maintenance as defined in the Naval Airborne Weapons Maintenance Program, OPNAVINST 8600.2 (series). Workload associated with AIM-7M/P Sparrow Missile does not increase existing manning levels.

The AIM-7M/P Sparrow Missile training concept is divided into organizational and intermediate levels based on OPNAVINST 8600.2 (series). Organizational and intermediate level training courses have all been updated to include information on the AIM-7P. New training courses were not required for the introduction of the AIM-7P.

AIM-7M/P SPARROW MISSILE SYSTEM

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AIM-7M/P SPARROW MISSILE SYSTEM

LIST OF ACRONYMS

AC/DC	Alternating Current/Direct Current
ACDU	Active Duty (Navy)
AD	Active Duty (Marines Corps)
AFD	Arming/Firing Device
AIM	Air-launched, Aerial Intercept Guided Missile
AIMD	Aircraft Intermediate Maintenance Department
AMIST	Aviation Maintenance In-Service Training
AMRAAM	Advanced Medium-Range Air-to-Air Missile
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnance
AR	Active Reserve (Marine Corps)
ATM	Air-launched, Training Guided Missile
AUR	All-Up-Round
BIT	Built-In Test
BUPERS	Bureau of Personnel
CAG	Carrier Air Group
CAI	Computer-Aided Instruction
CANTRAC	Catalog of Navy Training Courses
CATM	Captive Air Training Missile
CBT	Computer-Based Training
CEST	Classroom Explosive Ordnance Disposal System Trainer
CMI	Computer-Managed Instruction
CMC	Commandant of the Marine Corps
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
CNU	Container Unit
COMNAVAIRLANT	Commander, Naval Air Force Atlantic
COMNAVAIRLANTINST	Commander, Naval Air Force Atlantic Instruction
COMNAVAIRPAC	Commander, Naval Air Force Pacific
COMNAVAIRPACINST	Commander, Naval Air Force Pacific Instruction
CV	Aircraft Carrier
CVN	Aircraft Carrier, Nuclear
CWTPI	Conventional Weapons Technical Proficiency Inspection
DATM	Dummy Air Training Missile
DOP	Designated Overhaul Point
DSU	Detonation, Sensor Unit

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LIST OF ACRONYMS

DT	Developmental Test
EA	Electronic Attack
ECCM	Electronic Counter-Countermeasures
ECP	Engineering Change Proposal
EOD	Explosive Ordnance Disposal
EODTEU	Explosive Ordnance Disposal Training and Evaluation Unit
EP	Electronic Protection
FMS	Foreign Military Sales
FOT&E	Follow-On Test and Evaluation
FREST	Fleet Replacement Enlisted Skills Training
FRS	Fleet Readiness Squadron
GCS	Guidance and Control System
GMTS	Guided Missile Test Set
HARM	High-speed Anti-Radiation Missile
ICW	Interactive Courseware
ILSP	Integrated Logistics Support Plan
IUT	Instructor Under Training
MAD	Marine Aviation Detachment
MALS	Marine Aviation Logistics Squadron
MASD	Marine Aviation Support Detachment
MATMEP	Maintenance Training Management and Evaluation Program
MAWTS	Marine Air Weapons and Tactics School
MBC	Missile Borne Computer
MCAS	Marine Corps Air Station
MCCDC	Marine Corps Combat Development Command
MCCRES	Marine Corps Combat Readiness Evaluation System
MCO	Marine Corps Order
MCS	Missile Control System
MK	Mark
MOD	Modification
MOS	Military Occupational Specialty
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit

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LIST OF ACRONYMS

NAMTRAGRU	Naval Air Maintenance Training Group
NAMTRAGRUDET	Naval Air Maintenance Training Group Detachment
NAS	Naval Air Station
NATO	North Atlantic Treaty Organization
NATOPS	Naval Air Training and Operating Procedures Standardization
NATTC	Naval Air Technical Training Center
NAVSTKAIRTESTRON	Naval Strike Air Test Squadron
NAVWPNTSTRON	Naval Weapons Test Squadron
NAWMU	Naval Airborne Weapons Maintenance Unit
NAVAIRSYS COM	Naval Air System Command
NAWCAD	Naval Air Warfare Center, Aircraft Division
NAWCWD	Naval Air Warfare Center, Weapons Division
NAWS	Naval Air Weapons Station
NEC	Navy Enlisted Classification
NFO	Naval Flight Officer
NS	Naval Station
NSAWC	Naval Strike and Air Warfare Center
NSSMS	NATO Sea Sparrow Missile System
NSWC	Naval Surface Warfare Center
NTSP	Navy Training System Plan
NWS	Naval Weapons Station
OATMS	OPNAV Aviation Training Management System
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
OT	Operational Test
PEST	Practical Explosive Ordnance Disposal System Trainer
PMA	Program Manager, Air
PQS	Personnel Qualification Standard
RF	Radio Frequency
RFT	Ready For Training
RIK	Replacement-In-Kind
RIM	Ship-launched, Aerial Intercept Guided Missile

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LIST OF ACRONYMS

RSP	Render Safe Procedure
SAD	Safety Arming Device
SE	Support Equipment
SELRES	Selected Reserve (Navy)
SFTI	Strike Fighter Tactics Instructor
SFTP	Strike Fighter Training Program
SFTS	Strike Fighter Training System
SFWSL	Strike Fighter Weapons School, Atlantic
SFWSP	Strike Fighter Weapons School, Pacific
SFWT	Strike Fighter Weapons and Tactics
SIST	Serviceable In-Service Time
SLAM	Standoff Land Attack Missile
SMS	Stores Management System
SRA	Shop Replaceable Assembly
SWATSLANT	Strike Weapons and Tactics School, Atlantic
TAR	Training and Administrative Reserve (Navy)
TD	Training Device
TFS	Total Force Structure
TTE	Technical Training Equipment
USMC	United States Marine Corps
USN	United States Navy
VF	Fighter Squadron (Navy)
VFA	Strike Fighter Squadron (Navy)
VFC	Fighter Composite Squadron (Navy)
VMAT	Marine Attack Training Squadron
VMFAT	Marine Fighter Attack Training Squadron
VX	Air Test and Evaluation Squadron
WAU	Weapon Armament Unit
WGU	Weapon Guidance Unit
WSO	Weapons and Sensor Officer
WST	Weapons System Trainer
WTT	Weapons Tactics Trainer

AIM-7M/P SPARROW MISSILE SYSTEM

PREFACE

This Approved Navy Training System Plan (NTSP) for the AIM-7M/P Sparrow Missile was prepared as part of the regular NTSP update process within guidelines set forth in OPNAVINST 1500.8M. This NTSP reflects the changes that have occurred since the last Approved Navy Training Plan, A-50-8008B, for the AIM-7M/P/R Sparrow Missile, dated November 1994.

The major changes and updates to this NTSP consist of:

- PART I** This part shows the deletion of outdated information; incorporation of changes to formal training; updated Training Device (TD) allocation listings; identification of “A” School Core and Strand training and “C” School Initial and Career training; and deletion and relocation of training sites due to decisions made by the Base Realignment Commission. Training requirements for the AIM/RIM-7R were removed because the program was suspended following completion of its Operational Evaluation (OPEVAL).
- PART II** This part has been recalculated to depict current billet requirements of fleet support units through FY02.
- PART III** In addition to reflecting the changes mentioned above, this part has been recalculated to depict chargeable student billets through FY02.
- PART IV** This part has been updated to reflect changes in training and training logistics support requirements.
- PART V** This part has been updated to reflect current milestones.
- PART VI** No major changes.
- PART VII** This part has been updated to reflect current Points of Contact.

PART I - TECHNICAL PROGRAM DATA

A. TITLE-NOMENCLATURE-PROGRAM

1. **Title-Nomenclature-Acronym.** Sparrow Missile System - AIM-7M/P - None.
2. **Program Element.** 0604354N

B. SECURITY CLASSIFICATION

1. **System Characteristics** Secret
2. **Capabilities** Secret
3. **Functions**..... Confidential
4. **Navy Training System Plan**..... Unclassified

C. NTSP PRINCIPALS

- OPNAV Principal Official (OPO) Program Sponsor..... CNO (N88)
- OPO Resource Sponsor CNO (N880C7)
- Marine Corps Program Sponsor..... CMC (APW-31)
- Developing Agency..... NAVAIRSYSCOM (PMA259)
- Training Agency COMNAVAIRLANT
COMNAVAIRPAC
COMNAVAIRRESFOR
CNET (N-232/N-53)
MCCDC (C463)
NSAWC (N7)
- Training Support Agency..... NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor CNO (N1)
BUPERS (PERS-4, -22)
- Director of Naval Training CNO (N7)
- Marine Corps Combat Development Command (MCCDC)
- Manpower Management TFS Division
- Commander, Reserve Program Manager COMNAVAIRRESFOR

D. SYSTEM DESCRIPTION

1. Operational Uses. The Sparrow missile is a supersonic, medium-range, aerial-intercept missile that guides on Radio Frequency (RF) energy. Sparrow incorporates Electronic Counter-Countermeasure (ECCM) capabilities, also known as Electronic Protection (EP), to defeat countermeasures such as jamming. Current configurations of the Sparrow missile include four air-launched variants, AIM-7M F1 Build, AIM-7M H Build, AIM-7P Block I, and AIM-7P Block II, and as many ship-launched variants, RIM-7M F1 Build, RIM-7M H Build, RIM-7P Block I, and RIM-7P Block II. Hereafter, these configurations will be referred to as Sparrow collectively, and designators will be used to specify individual configurations.

Sparrow is employed during air-to-air combat missions by Navy F-14, Navy and Marine Corps F/A-18, and Air Force F-15 and F-16 aircraft. In air-to-air combat evolutions, Sparrow is used primarily to neutralize the threat of high performance enemy aircraft.

Sparrow is employed during ship-to-air combat missions by Spruance class Destroyers outfitted with the North Atlantic Treaty Organization (NATO) Sea Sparrow Missile System (NSSMS). In ship-to-air combat evolutions, Sparrow is used primarily to neutralize the threat of high performance, anti-ship missiles.

2. Foreign Military Sales. Sparrow is sold to both NATO and non-NATO countries. For information on Foreign Military Sales (FMS) refer to NAVAIRSYSCOM PMA259.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. The Sparrow Test and Evaluation Master Plan, M159-1RIM-7P, dated 21 July 1989, was developed for the AIM/RIM-7P. Developmental and operational test and evaluation phases for the AIM/RIM-7P have been completed. Developmental Test (DT) for the AIM/RIM-7P occurred in first quarter FY90 through second quarter FY90. Operational Test (OT) occurred in third quarter FY90 through second quarter FY91. Follow-On Test and Evaluation (FOT&E) for Block I and II AIM/RIM-7P Missiles was completed fourth quarter FY93 through second quarter FY94 using retrofit kits in Government Furnished Equipment missiles. AIM/RIM-7M DT and OT was successfully completed in FY82.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The Sparrow AIM/RIM-7P program began as a retrofit program to AIM/RIM-7M Guidance and Control Sections (GCS) and resulted in a new build contract for AIM/RIM-7P Block II GCS. Follow-on AIM/RIM-7P Block II procurements will upgrade existing AIM-7M inventories and provide replacement for AIM-7M missiles lost through FMS. Remaining AIM-7M Missiles will continue to be supported until phase-out or other action through the FMS Replacement-In-Kind (RIK) program.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The AIM/RIM-7M is out of production and in the operation and support phase of its life-cycle. The AIM/RIM-7P is in production for FMS and USN/FMS RIK programs. The AIM/RIM-7R was the latest Sparrow new development, but the program was halted in the first quarter of FY97 following completion of its DT/OT program. The AIM/RIM-7R integrated a passive infrared seeker in its radome for terminal guidance.

Sparrow is a supersonic, medium range, aerial-intercept missile, which guides on RF energy. The missile processes radar signals received directly from the launch platform's radar via its rear signal receiver, and also processes RF energy reflected from the target received by its own internal radar receiver (front signal). Sparrow is controlled in flight by four movable delta platform wings. Missile stability is provided by four fixed delta fins which are located in line with the forward wings. Missile propulsion is provided by a dual-thrust, solid propellant rocket motor. An active RF fuze detonates the warhead when the missile is within lethal range of the target. To increase performance in either application, air-to-air or surface-to-air, Sparrow contains switching circuits that automatically program missile operation for optimum performance in the appropriate environment.

The Sparrow Weapon System consists of (1) the radar-guided missile; (2) the support equipment consisting of test, handling, and training equipment, tools and reusable containers; and (3) the aircraft or ship's equipment required to launch the missile.

a. Guidance and Control Section. The GCS tracks a target, directs and stabilizes the missile on a lead-angle navigation course to the target, and starts warhead detonation by use of an active radar proximity fuze or a backup contact fuze. The guidance system uses energy reflected from the target and data received from the missile fire control system to track the target. A comparison of these signals allows the guidance section to sense changes in target position and create signals used by the control section to control movement of the wings and thus maintain course to target intercept. Missile-to-target closing speed is derived by a comparison of the signals (doppler shift) received by the front antenna and the rear reference antenna.

(1) Guidance Section. The Guidance Section is a solid-state design. The Guidance Section is constructed modularly and includes a radome, tunnel cable to the control section, forward antenna, target and rear receivers, an embedded Missile Borne Computer (MBC), a radar fuze unit, and electric gimballed motors. All AIM/RIM-7P upgraded elements are contained in the guidance section to reduce technical risk. The AIM-7P modifications are incorporated in blocks. The AIM/RIM-7P Block I retrofit included an upgrade of the MBC in the guidance section (WGU-6D/B) and incorporation of a new fuze (DSU-34/B). Approximately 600 missiles were upgraded to the Block I configuration. The AIM/RIM-7P Block II upgrade included modification of the MBC in the Guidance Section (WGU-23D/B), incorporation of the new fuze, and a new rear receiver. The AIM/RIM-7P Block I and AIM/RIM-7P Block II have the same approximate weight, center of gravity, and general mass distribution properties as the AIM/RIM-7M Guidance Sections.

(2) Control Section. The control section consists of an autopilot and a hydraulic control group which provide wing control to guide the missile to the target and to stabilize the missile. An accumulator supplies the hydraulic power to move the wings in response to guidance command signals from the autopilot. In addition to circuits for processing guidance and stabilization signals, the control section also contains an AC/DC converter for adapting external power for missile requirements before launch.

b. Warhead Assembly. The Warhead Assembly includes a fuze booster, transfer lead (WAU-17 warhead only), Safe-Arm Device (SAD), and the main explosive charge. The warhead assembly is located between the guidance section and control section. It is connected electrically to the guidance section by a SAD cable. At launch, a thrust-activated mechanism in the SAD starts the arming cycle. When the missile receives a launch signal, voltage is applied to unlock the arming mechanism. As the missile accelerates, the arming rotor turns, aligning the explosive train and removing the shorting circuit. This completes the firing circuit. Detonation is triggered by a fuze pulse from the active RF fuzing circuit in the guidance section at the nearest point of intercept or by an impact switch located in the control section.

(1) WAU-10/B and WAU-10A/B Warhead Assembly. The WAU-10/B Warhead Assembly includes a MK-71 Mod 0 Warhead Section with a MK-33 Mod 0 SAD and MK-33 Mod 1 fuze booster. The WAU-10A/B Warhead Assembly is similar to the WAU-10/B except it has a MK-38 Mod 2 fuze booster. Both warhead assemblies are of the insulated continuous-rod type.

(2) WAU-17B and WAU-17A/B Warhead Assembly. The WAU-17B Warhead Assembly includes a WDU-27B Warhead Section with a MK-33 Mod 0 SAD, a MK-38 Mod 1 fuze booster, and a MK-26 Mod 0 transfer lead. The WAU-17A/B Warhead Assembly is similar to the WAU-17B except it has a MK-38 Mod 2 fuze booster. The transfer lead extends the explosive train from the SAD to the fuze booster. Both warhead assemblies are of the end-initiated blast fragmentation type.

c. Fuze Booster. When ignited by a SAD, the fuze booster charge ignites the main warhead charge. The MK-38 Mod 2 fuze booster is designed to melt rather than detonate when exposed to high heat. This provides an added safety feature for ordnance personnel and fire fighters.

d. Rocket Motor Assembly. The MK-58 Rocket Motors are dual-thrust, solid propellant propulsion units. The case bonded grain consists of separate boost and sustain propellants in a side-by-side configuration. The rocket motor assembly consists of three major subassemblies: a case with propellant grain, a safe-arm ignition assembly and a nozzle weather seal at the rear. Integral parts of the case are the attachment points which include the forward skirt, launch hooks, waveguide clips, antenna bracket, and fin dovetail slots.

(1) MK-58 Mods 2, 3, and 5 Rocket Motor Assemblies. These rocket motor assemblies are used with the air-launched missiles (AIM-7M/P) and include a safe-arm ignition assembly with an Arm-Fire Device (AFD) relock assembly. The AFD relock T-handle,

which locks in either the SAFE or ARM position, cannot be removed, and is used to arm the rocket motor manually before flight.

e. Wing and Fin Assemblies. Four wings and four fins provide the flight control surfaces for Sparrow. The wings attach to the hub assembly of the control section and the fins mount into dovetail quick-attach fittings on the rear of the rocket motor.

f. Rear Waveguide Assembly. A structural rear waveguide assembly containing the rear antenna is installed externally on the missile airframe. The rear waveguide is constructed in two parts with the forward section connecting to internal RF circuitry in the guidance section. The forward section also serves as a protective cover for the tunnel cable which electrically interconnects the GCS. The aft assembly contains the rear antenna and is joined to the forward section at the rear of the control section, and runs aft to the rear of the rocket motor.

g. Training Missiles. The AIM-7 Missile System uses several types of training missiles: Air-launched Training Missile (ATM)-7M/P; the Captive Air Training Missile (CATM)-7F-3; and the Dummy Air Training Missile (DATM)-7F-11. The ATM-7M/P is a live-fire missile that is an AIM-7M/P with the warhead section replaced with a telemetry section. The CATM-7F-3 and the DATM-7F-11 are used primarily for AIM-7M/P maintenance training, and are completely inert. Additionally, the CATM-7F-3 is used by F-14 aircrews for some training events/exercises. F/A-18 aircrews use a simulator plug (commonly referred to as a wafer) in the launcher umbilical that precludes the use of the CATM-7F-3, and enables the aircraft's embedded training capability via its on-board computers.

2. Physical Description. The Sparrow configurations are similar in physical properties. The improvements between the AIM/RIM-7M and AIM/RIM-7P are internal and are confined to the MBC, fuze, and rear receiver. Table I-1 below shows principal weights and dimensions.

Table I-1. Principal Weights And Dimensions.

CONFIGURATION	WEIGHT (POUNDS)	LENGTH (INCHES)	DIAMETER/SPAN (INCHES)
AIM-7M/P Missile	509.5	144.2	40.24*
RIM-7M/P Missile	502.8	144.2	40.24*

* Note: Wings and fins attached

3. New Development Introduction. The AIM/RIM-7P was introduced to the fleet through GCS retrofit and GCS new production contracts. The AIM/RIM-7P retrofit program began deliveries in November 1993. Because the upgrade from AIM/RIM-7M to AIM/RIM-7P did not impact Carrier Air Group (CAG) operation and maintenance procedures, a unique Fleet introduction was not required.

4. Significant Interfaces. Table I-2 lists Sparrow’s significant interfaces.

Table I-2. Significant Interfaces.

SERVICE	CONFIGURATION	PLATFORM	LAUNCH EQUIPMENT
USN	AIM-7M/P	F-14	LAU-92
USAF	AIM-7M	F-15	LAU-106
USAF	AIM-7M	F-16	16S1500 rail/launcher
USN/USMC	AIM-7M/P	F/A-18	LAU-115 and LAU-116
USN	RIM-7M/P	Destroyer	NSSMS (MK-57)

*Note: The MK-57 NSSMS includes the MK-91 Guided Missile Fire Control System and the MK-29 Guided Missile Launch System.

5. New Features, Configurations, or Material. The AIM/RIM-7P Block II is the latest configuration of Sparrow in the Fleet. The AIM/RIM-7P Block II contains changes developed to give the missile better point defense capability against low-flying anti-ship missiles. The AIM/RIM-7P Block II configuration includes an upgraded MBC in the WGU-23D/B, incorporation of a new fuze, and a new rear receiver.

H. CONCEPTS

1. Operational Concept. The AIM-7M/P is employed in Naval air-to-air combat missions using the F-14 and F/A-18 aircraft. The RIM-7M/P is employed in ship-to-air point defense situations on Spruance Class Destroyers using NSSMS.

2. Maintenance Concept. Maintenance of the AIM-7M/P employed on the F-14 and F/A-18 aircraft is accomplished using the basic aircraft maintenance philosophy outlined in OPNAVINST 4790.2 (series), and specific weapons maintenance instructions outlined in OPNAVINST 8600.2 (series). Organizational- and Intermediate-level maintenance of the RIM-7M/P employed on Spruance Class Destroyers using NSSMS will not be addressed in this NTSP, but may be found in the Self Defense Surface Missile System Navy Training Plan, S-30-8302. The depot-level maintenance concept for both AIM-7M/P and RIM-7M/P is identical.

a. Organizational. F/A-18 and F-14 squadrons receive the AIM-7M/P as an All-Up-Round (AUR). Squadron personnel, Aviation Ordnanceman (AO) with Navy Enlisted Classification (NEC) 8335, 8342, 8345, 8835, 8842 and 8845 or Marine Corps Military Occupational Specialty (MOS) 6531 perform organizational-level maintenance on AIM-7M/P in Work Center 230. AIM-7M/P readiness can be verified on deck or in the air via the host aircraft and AIM-7M/P Built-In Test (BIT). Organizational level maintenance tasks include:

- Aircraft and weapon system inspections
- Aircraft/launcher weapon system release and control checks
- Weapon uploading and downloading
- Weapon arming and de-arming
- On aircraft weapon test

- Discrepancy reporting
- Record keeping and reporting

b. Intermediate. Navy Weapons Departments (shipboard and Naval Air Stations (NAS)) and Marine Aviation Logistics Squadrons (MALS) receive AURs from the Naval Weapons Station and launchers from the supply system or Aircraft Intermediate Maintenance Department (AIMD). AIM-7M/P maintenance is performed by Weapons Department AO personnel with NEC 6801 or by MALS personnel with MOS 6541. At AIMD and MALS Work Center 710, Navy AO personnel with NECs 6802 or Marine Corps personnel with MOS 6541 functionally test the launchers. Weapons Department intermediate-level maintenance tasks include:

- Visual inspection for damage and corrosion
- Corrosion control procedures
- De-canning and canning of AUR
- Install and remove wings and fins
- Ready service inspection
- Record keeping and reporting
- AUR shipping or storage preparation
- Technical directive implementation
- Delivery of missile to organizational activity

c. Depot. OPNAVINST 8600.2 (series) divides depot-level maintenance into two sub-levels: Naval Weapon Station (NWS) and Designated Overhaul Point (DOP). The AIM-7M/P Integrated Logistics Support Plan (ILSP) also divides this level into two sub-levels: AUR depot-level maintenance and component depot-level maintenance. This document will use the terms described in OPNAVINST 8600.2 (series), i.e., NWS maintenance and DOP maintenance.

(1) Naval Weapons Station. NWS Seal Beach (Fallbrook Annex), California, and NWS Yorktown, Virginia, perform AUR depot-level maintenance on AIM/RIM-7M/P. Naval Airborne Weapons Maintenance Unit (NAWMU)-1, Guam, also performs NWS maintenance for forward deployed assets. NWS maintenance tasks include:

- Visual inspection for damage and corrosion
- Fault isolation by AUR test to faulty section
- Repair by replacement of failed sections and external components
- Corrosion control procedures
- Containerize AURs for storage or loadout
- Technical directive implementation
- Recertification of AUR by retest
- Record keeping and reporting
- Minor container repair

(2) Designated Overhaul Point. DOPs are responsible for maintenance beyond the capabilities of the NWS (AUR depot-level maintenance), including major overhaul or complete rebuild of sections or subassemblies required to restore defective sections and Shop Replaceable Assemblies (SRAs) to original acceptance standards. NWS Yorktown and NWS Fallbrook perform DOP maintenance on containers, wings and fins. Letterkenny Army Depot, Chambersburg, Pennsylvania performs DOP maintenance on guidance sections, control sections, and internal sensor assemblies. Naval Surface Warfare Center (NSWC), Indian Head Division, Maryland performs DOP maintenance on rocket motor assemblies, gas generators and safe-arm igniters. NSWC Crane, Indiana performs DOP maintenance on warheads and SADs. Serviceable sections and components repaired by the DOP are returned to the NWS.

d. Interim Maintenance. NA.

e. Life-Cycle Maintenance Plan. The Serviceable In-Service Time (SIST) defines an interval during which a missile or missile component is in a serviceable condition. SIST for AIM-7M/P is 42 months after testing at the AUR depot.

3. Manning Concept. Sparrow has no direct impact on existing manpower requirements at organizational, intermediate, or depot level activities. Pilot, Naval Flight Officer (NFO), and Weapon and Sensor Officer (WSO) manpower is driven by seat factor and crew ratio. Enlisted manning for USN and USMC fleet squadrons, Fleet Readiness Squadrons (FRS), and intermediate-level maintenance activities is based on the total assigned workload, not only on specific Sparrow requirements. Skills required to support the Sparrow are considered to be within the capability of existing NECs and MOSs. Refer to Part II for existing USN and USMC manpower requirements.

The Navy Squadron Training Matrices (COMNAVAIRPACINST 3500.67C/COMNAVAIRLANTINST 3500.63C) for the F-14 and F/A-18 aircraft and the Marine Corps Aviation Training and Readiness Manual (MCO P3500.15B) for the F/A-18 aircraft were used to estimate peacetime manpower requirements for AIM-7M/P. These instructions/orders provide annual aircrew training requirements, which include events that involve captive carry and live fire of ordnance. For F-14 squadrons, the only training events that involve the use of AIM-7M/P or CATM-7F-3 are event number 20, AIM-7/AIM-54 Live Shot, and event number 61, Low/Slow Intercept. For both events, the requirement is intended to provide radar missile qualification, and therefore, there is an option of using either an AIM-7 or an AIM-54 for the live shot, and either a CATM-7 or CATM-54 for the low/slow intercept. The live shot is required once every three years per aircrewman, while the low/slow intercept is required nine times per year (three intercepts every 120 days) per aircrewman. Using a worst case of one sortie per low/slow intercept, and based on eighteen aircrewman per squadron, there is a possibility of 168 AIM-7/CATM-7 loading-downloading cycles per F-14 squadron (162 low/slow intercept events plus 6 live shot events). Loading cycles include de-containerizing, transport, assembly, upload, download, disassembly, transport, and containerizing of the AIM-7 or CATM-7. Thus five F-14 AOs (NEC 8335, 8345, 8835, or 8845) and three Weapons Department AO 6801 are required to support annual AIM-7/CATM-7 loading cycles per F-14 squadron, even though only a portion of their workload will be driven by AIM-7M/P. The F/A-18 community relies more heavily on the

embedded training provided by the aircraft avionics and Stores Management System (SMS), and the only training event that involves the use of AIM-7M/P is event number 21, A/A Radar Live Shot. The live shot is required once every three years per aircrewman. Using one sortie per live shot, and based on seventeen aircrewman per squadron, there are 5.6 AIM-7 loading-downloading cycles per F/A-18 squadron. Thus five F/A-18 AOs (NEC 8342, 8842, or MOS 6531) and three Weapons Department AO 6801 or MALS MOS 6541 are required to support annual AIM-7 loading cycles per F/A-18 squadron, even though only a portion of their workload will be driven by AIM-7M/P.

4. Training Concept. Training for Sparrow is in place. Organizational- and Intermediate-level maintenance training courses were updated to include information on the AIM-7P. New training courses were not required for the introduction of the AIM-7P.

A new training concept for most aviation maintenance training has been established. This concept entails dividing "A" School courses into two or more segments called core and strand, and C1 courses into separate initial and career training courses. "A" School Core courses include general knowledge and skills training for the particular rating, while "A" School Strand courses focus on the more specialized training requirements for that rating, based on the student's fleet activity destination. Strand training immediately follows core training and is part of the "A" School. Upon completion of core and strand "A" School, graduates attend the appropriate initial "C" school for additional specific training. Initial "C" school training is intended for students with a paygrade of E-4 and below. Career "C" school training is provided to personnel E-5 and above to enhance their skills and knowledge within their field.

a. Initial Training. All initial training has been completed.

b. Follow-on Training. Follow-on training for the AIM-7M/P is available as part of courses taught at FRSS, Naval Air Maintenance Training Group Detachment (NAMTRAGRUDET) Maintenance Training Units (MTUs), Fleet Replacement Enlisted Skills Training (FREST) facilities, Naval Strike and Air Warfare Center (NSAWC) N7 (Topgun), Strike Fighter Weapons Schools Atlantic (SFWSL) and Pacific (SFWSP), Strike Weapons and Tactics School, Atlantic (SWATSLANT), and Marine Aviation Weapons and Tactics Squadron (MAWTS) One. Sparrow caused no change in student throughput or chargeable student billets. Follow-on training courses have been modified to address the AIM-7P and are currently on-line.

(1) Operator Training. Pilots, NFOs, and WSOs are trained in AIM-7M/P theory of operation, functional description, tactical performance, weapon delivery, cockpit switchology, flight training and missile firings in existing aircraft training programs and normal squadron weapons training programs. Existing training materials were updated by the training course model managers to include AIM-7P. No new courses were required. Training devices (TDs) for AIM-7M/P operator training include:

- **Weapon Systems Trainer (WST) and Weapons Tactics Trainer (WTT).** The F-14 community uses the WST 2F169 and WST 2F153, while the F/A-18 community uses the WTT 2E7, commonly referred to as "dome trainers", to simulate

engagements and to practice weapons employment procedures and tactics. These TDs contain programmed AIM-7 scenarios, and are shared by the FRS and the operational squadrons that are shore-based between deployments.

- **Captive Air Training Missile.** The CATM-7F-3 is an inert, captive flight, training missile that permits exercise of Sparrow pre-launch employment procedures. For detailed information on TDs refer to element IV.A.2.

The following table lists the applicable operator training courses. The AIM-7M/P source material has been incorporated in these courses with minimal impact. This caused no change in student throughput or chargeable student billets, and, therefore, these courses will not appear in Parts II and III.

Table I-3. Operator Courses.

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-7M/P
D/E-2A-0601	F/A-18 Fleet Replacement Pilot Cat 1	On-line
D/E-2A-0602	F/A-18 Fleet Replacement Pilot (Attack) Cat 2A	On-line
D/E-2A-0604	F/A-18 Fleet Replacement Pilot Cat 3A	On-line
D/E-2A-0606	F/A-18 Fleet Replacement Pilot Cat 4	On-line
M13P4B3	F/A-18 Fleet Replacement Pilot Basic and Transition	On-line
M13P3V3	F/A-18 Fleet Replacement Pilot Refresher	On-line
M13P3W3	F/A-18 Fleet Replacement Pilot Modified Refresher	On-line
M13P4C3	F/A-18 WSO Basic and Transition	On-line
M13P3R3	F/A-18 WSO Refresher	On-line
M13P3S3	F/A-18 WSO Modified Refresher	On-line
None	F/A-18 Strike Fighter Advanced Readiness Program	On-line
None	F/A-18 Strike Fighter Weapons Employment	On-line
D-2A-1601	F-14 Pilot Cat 1	On-line
D-2A-1602	F-14 Pilot Cat 2	On-line
D-2A-1603	F-14 Pilot Cat 3	On-line
D-2A-1604	F-14 Pilot Cat 4	On-line
D-2A-1605	F-14 Pilot Instructor Under Training (IUT) Cat 5	On-line
D-2D-1601	F-14 Naval Flight Officer Cat 1	On-line
D-2D-1602	F-14 Naval Flight Officer Cat 2	On-line
D-2D-1603	F-14 Naval Flight Officer Cat 3	On-line
D-2D-1604	F-14 Naval Flight Officer Cat 4	On-line
D-2D-1605	F-14 Naval Flight Officer (IUT) Cat 5	On-line
D-2A-1631	F-14D Category 1 Replacement Pilot	On-line
D-2A-1634	F-14D Category 2 Replacement Pilot	On-line
D-2A-1637	F-14D Category 3 Replacement Pilot	On-line
D-2A-1640	F-14D Category 4 Replacement Pilot	On-line
D-2D-1631	F-14D Naval Flight Officer Category 1	On-line
D-2D-1634	F-14D Naval Flight Officer Category 2	On-line
D-2D-1637	F-14D Naval Flight Officer Category 3	On-line
D-2D-1640	F-14D Naval Flight Officer Category 4	On-line
None	F-14 Strike Fighter Advanced Readiness Program	On-line
None	F-14 Strike Fighter Weapons Employment	On-line

(2) **Initial Skills - Maintenance.** Initial skills training for the Aviation Ordnanceman rating is provided by the AO A1 School at NAS Pensacola, Florida. The following table lists the applicable initial skills courses for the AO rating. The AIM-7M/P source material has been incorporated in these courses with minimal impact. This caused no change in student throughput or chargeable student billets; therefore, these courses will not appear in Parts II and III.

Table I-4. Initial Skills - Maintenance Courses.

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-7M/P
C-646-2011	Aviation Ordnanceman Common Core Class A1	On-line
C-646-2012	Aviation Ordnanceman Airwing Strand Class A1	On-line
C-646-2013	Aviation Ordnanceman Weapons Department Strand Class A1	On-line

(3) **Organizational Maintenance.** Organizational-level maintenance personnel are trained at the appropriate MTU or FREST for specific aircraft maintenance. Weapon loading skills are further enhanced at SFWSL, SFWSP, or SWATSLANT and through on-board proficiency training. Training devices (TDs) for AIM-7M/P organizational-level maintenance training include:

- **Dummy Air Training Missile.** The DATM-7F-11 is an inert, replica of the AIM-7F, which adequately satisfies the organizational-level training requirements for the AIM-7M/P. It facilitates instruction and familiarization of Sparrow handling, loading, and visual inspection procedures for organizational-level maintenance training purposes. The DATM is not certified for flight and is designed for ground training use only. The CATM-7F-3 is a suitable replacement for the DATM-7F-11 TD. For detailed information on TDs refer to element IV.A.2.

The following table lists the applicable organizational-level maintenance training courses. The AIM-7M/P source material has been incorporated in these courses with minimal impact. This caused no change in student throughput or chargeable student billets; therefore, these courses will not appear in Parts II and III.

Table I-5. Organizational-Level Maintenance Courses.

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-7M/P
C-646-9973	F/A-18 Stores Management System Initial Organizational Maintenance	On-line
C-646-9974	F/A-18 Stores Management System Career Organizational Maintenance	On-line
D/E-646-0640	F/A-18 Conventional Weapons Loading	On-line
D/E-646-0647	F/A-18 Conventional Release System Test	On-line
None	F/A-18 Conventional Weapons Loading	On-line
C-646-9962	F-14A/B Armament Systems Initial Organizational Maintenance	On-line
C-646-9963	F-14A/B Armament Systems Career Organizational Maintenance	On-line
D-646-9906	F-14D Armament Systems Organizational Maintenance (Difference)	On-line
D-646-1644	F-14A/B Conventional Weapons Loading Team	On-line
D-646-1645	F-14A/B Integrated Weapons Team Training	On-line
D-646-1646	F-14D Conventional Weapons Loading	On-line
D-646-1648	F-14D Integrated Weapons Team Training	On-line

(4) Intermediate Maintenance. Intermediate-level maintenance personnel are trained at the appropriate MTU or FREST for specific weapon maintenance. TDs for AIM-7M/P intermediate-level maintenance training include:

- **Dummy Air Training Missile.** The DATM-7F-11 satisfies the intermediate-level training requirements for the AIM-7M/P. It facilitates instruction and familiarization of Sparrow de-containerizing, handling, transporting, and visual inspection procedures for intermediate-level maintenance training purposes. The DATM is not certified for flight and is designed for ground training use only. The CATM-7F-3 is a suitable replacement for the DATM-7F-11 TD. For detailed information on TDs refer to element IV.A.2.

The following table lists intermediate-level maintenance training courses that had AIM-7M/P source material incorporated with minimal impact. These updates caused no change in student throughput or chargeable student billets; therefore, these courses will not appear in Parts II and III.

Table I-6. Intermediate-Level Maintenance Courses with Minimal AIM-7P Impact.

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-7M/P
C-646-3104	CV/CVN Air Launched Weapons General	On-line
C-646-4103	NAS Weapons Department Aviation Ordnance General	On-line
C-646-4108	Air Launched Weapons Ordnance Supervisor	On-line
C-646-4109	Weapons Department General Ordnance	On-line

The following courses were updated to include AIM-7M/P data, but course lengths were not affected.

Title	Air Launched Guided Missiles Intermediate Maintenance
CIN	C-646-3111 (part of Track D/E-646-7007)
Model Manager	MTU 4030, NAMTRAGRU DET Naval Station (NS) Mayport
Description	From Catalog of Navy Training Courses (CANTRAC): Upon completion of this course, Aviation Ordnancemen, Gunner's Mates and Torpedoman's Mates will have sufficient knowledge/ theory of the Sparrow, Phoenix, Sidewinder, Sidarm, AMRAAM, Maverick, Harpoon, SLAM, HARM, Tow, Hellfire, Penguin All Up Round (AUR) Air Launched Guided Missiles, Walleye Weapon System, Tactical Air Launched Decoy (TALD) and Air Nitrogen Purifier Units, including basic theory, safety precautions, technical publications, and missile reporting procedures, to perform, under close supervision, Intermediate Maintenance in the CV/CVN, LPH/LHA, NAS/MCAS working environment.
Location	MTU 4030, NAMTRAGRU DET, NS Mayport MTU 4032, NAMTRAGRU DET, NAS Norfolk MTU 4033, NAMTRAGRU DET, NAS North Island
Length	11 days
RFT date	Currently available
Skill identifier	AO 6801
TTE/TD	CNU-166/E Container, MK 12 Mod 1/3 Cradle, CNU-199/E Container, and DATM-7F-11
Prerequisites	AO, GMG, TM, or Graduate of AO (ClassA1) School or equivalent or designated striker, or C-646-2013 Aviation Ordnanceman Weapons Department Strand Class A1

Title	Aviation Ordnance Intermediate Maintenance Technician
CIN	C-646-3105 (part of track M-646-7026)
Model Manager	MTU 4034, VMAT-203 FREST, MCAS Cherry Point, North Carolina
Description	To provide USMC ordnance personnel with knowledge and skills to work on ordnance/armament in the MALS environment.
Location	MTU 4034, VMAT 203 FREST, MCAS Cherry Point
Length	75 days
RFT date	Currently available
Skill identifier	AO MOS 6541
TTE/TD	CNU-166/E Container, MK 12 Mod 1/3 Cradle, CNU-199/E Container, and DATM-7F-11
Prerequisites	C-646-2011 Aviation Ordnanceman Common Core Class A1 C-646-2012 Aviation Ordnanceman Airwing Strand Class A1

(5) Explosive Ordnance Disposal Training. EOD training is currently conducted at NAVSURFWARCEN, Indian Head, Maryland. This training will be transitioned to the NAVSCOLEOD Detachment at Eglin Air Force Base (AFB) in FY99. The TDs required for EOD training are the Practical Explosive Ordnance Disposal System Trainer (PEST) and the Classroom Explosive System Trainer (CEST):

- **Practical EOD System Trainer (PEST).** The basic performance requirements for a PEST are: 1) to replicate the external features of tactical missile for visual identification purposes; 2) to possess the same weight and center of gravity as the tactical missile for handling realism; 3) to contain inert explosive train components; and 4) to disassemble identically to the tactical missile (where applicable) in order to practice Render Safe Procedures (RSP). An AIM-7 PEST was never developed nor procured, however, practical training requirements for AIM-7 are currently met through the use of inert tactical missiles and/or components.

- **Classroom EOD System Trainer (CEST).** The basic performance requirements for a CEST are: 1) to replicate the external features of tactical missile for visual identification purposes; 2) to contain inert explosive train components; and 3) to provide cut-away areas in its exterior in order to view the inert explosive train components for teaching RSPs. An AIM-7 CEST was never developed nor procured; however, classroom training requirements for AIM-7 are currently supported through the use of inert tactical missiles and/or components that have been modified (cut-away) to view internal, inert explosive components. For detailed information on TDs refer to element IV.A.2.

The following table lists the applicable EOD training courses. The AIM-7M/P source material has been incorporated in these courses with minimal impact. This caused no change in student throughput or chargeable student billets; therefore, these courses will not appear in Parts II and III.

Table I-7. Explosive Ordnance Disposal Courses.

COURSE NUMBER	COURSE TITLE	RFT DATE FOR AIM-7M/P
A-431-0011	Explosive Ordnance Disposal (EOD) Phase II (Navy)	On-line
A-431-0012	Explosive Ordnance Disposal (EOD) Phase II	On-line
G-431-0001	EOD Pre-deployment Team Training	On-line

c. Student Profiles. The following enlisted manpower and personnel classifications are required to support AIM-7M/P. In many instances, AO personnel who support AIM-7M/P do not possess the component NEC because they attained their primary NEC prior to the recent A School and C School changes.

Table I-8. AIM-7M/P Student Profiles.

RATING and NEC or MOS	TITLE	COMPONENT NEC or MOS
AO 8835	F-14D Armament System Organizational Apprentice Maintenance Technician	AO 0000
AO 8335	F-14D System Organizational Maintenance Technician	AO 8835
AO 8842	F/A-18 Armament System Organizational Apprentice Maintenance Technician	AO 0000
AO 8342	F/A-18 System Organizational Maintenance Technician	AO 8842
AO 8845	F-14 Armament System Organizational Apprentice Maintenance Technician	AO 0000
AO 8345	F-14A/B System Organizational Maintenance Technician	AO 8845
AO 6531	Aircraft Ordnance Technician (F/A-18)	AO 6511
AO 6541	Aviation Ordnance Intermediate Maintenance Technician	AO 6511
AO 6801	Air Launched Weapons Technician	AO 0000

d. Training Pipelines. The following training pipelines and tracks correspond to student profiles listed above. These pipelines and tracks are based on the training system that is in place today, and may not reflect actual progressions for personnel who completed formal training prior to the recent A School and C School changes. Shaded courses were affected by introduction of the AIM-7P, but only to the extent of mentioning the new variant. Introduction of the AIM-7P had no affect on any Organizational- or Intermediate-level maintenance functions. Training tracks and associated courses are available in the OPNAV Aviation Training Management System (OATMS).

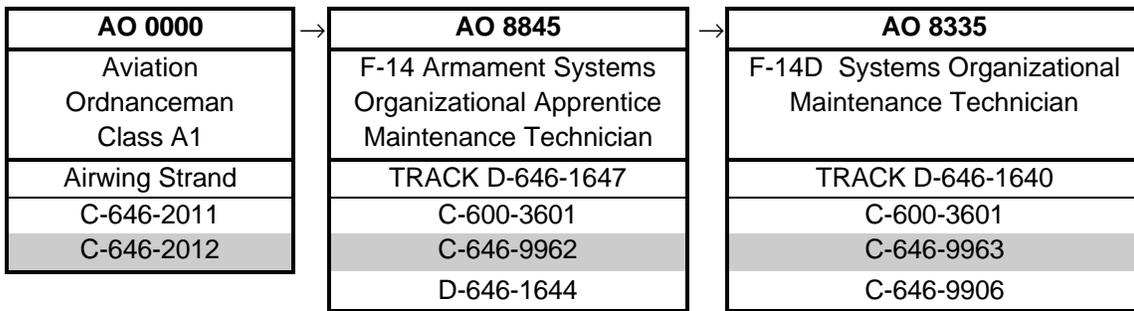


Figure I-1. F-14D Systems Organizational Maintenance Technician Career Progression.

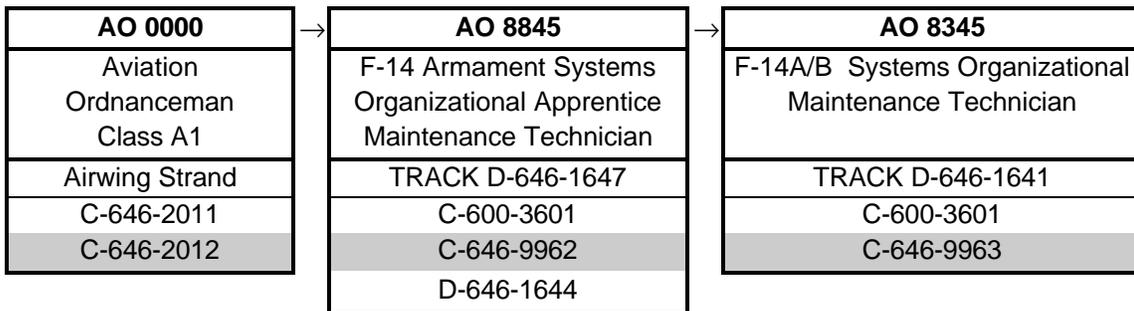


Figure I-2. F-14A/B Systems Organizational Maintenance Technician Career Progression.

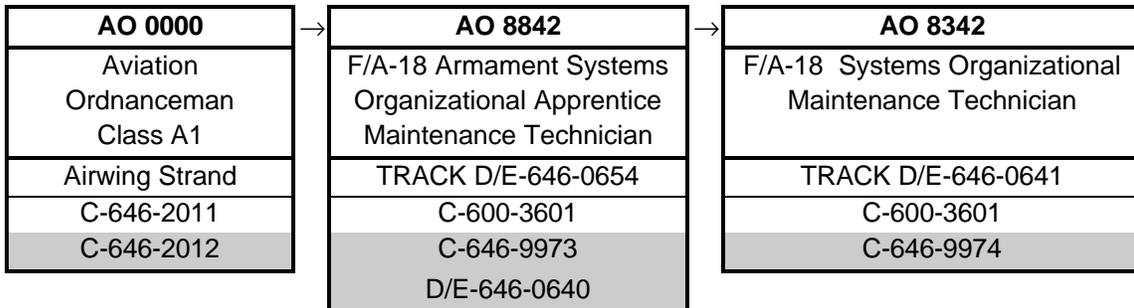


Figure I-3. F/A-18 Systems Organizational Maintenance Technician Career Progression.

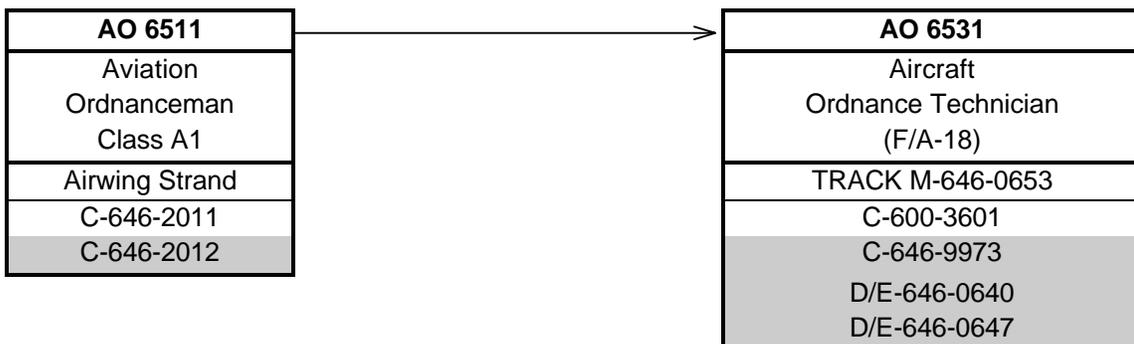


Figure I-4. F/A-18 Aircraft Ordnance Technician Career Progression.

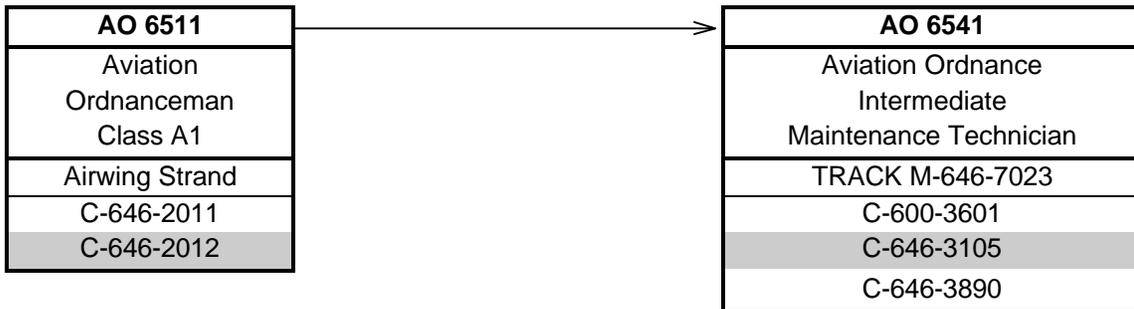


Figure I-5. Aviation Ordnance Intermediate Maintenance Technician Career Progression.

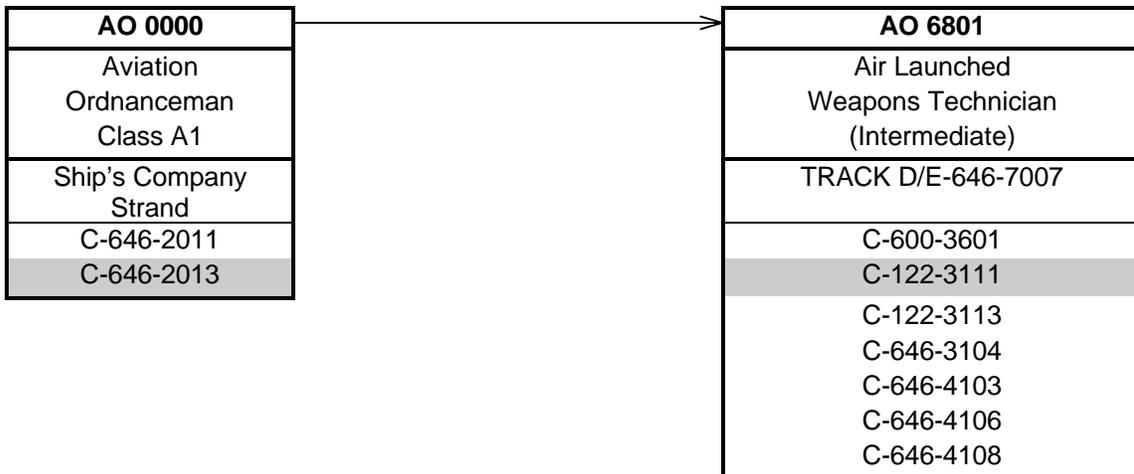


Figure I-6. Air Launched Weapons Technician Career Progression.

I. ON-BOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Organic Training.

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Program (MTIP) is an effective and efficient training system that is responsive to fleet training requirements. It consists of a bank of test questions that are managed through automated data processing. The Deputy Chief of Staff for Training assists in the development of MTIP by providing those question banks (software) already developed by the Navy. MTIP is implemented in accordance with OPNAVINST 4790.2 (series). MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at both the organizational- and intermediate-levels of maintenance. MTIP allows increased effectiveness in the application of training resources through identification of skill and knowledge deficiencies at the activity, work center, or individual technician level. Remedial training is concentrated where needed to combat identified skill and knowledge shortfalls.

b. Aviation Maintenance In-Service Training. Aviation Maintenance In-Service Training (AMIST) is intended to support Fleet training requirements now satisfied by MTIP and in that sense is the planned replacement. However, it is structured very differently and will function as an integral part of the new Aviation Maintenance Training Continuum System (AMTCS) that will replace the existing aviation maintenance training structure. AMIST will provide standardized instruction to bridge the training gaps between initial and career training. With the implementation of AMIST, the technician will be provided the training required to maintain a level of proficiency necessary to perform effectively the required tasks to reflect a career progression. AMTCS redesigns the aviation training process (training continuum), and introduces CBT throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology have enabled CBT with its basic elements of Computer Managed Instruction (CMI), Computer Aided Instruction (CAI), and Interactive Courseware (ICW) to be integrated into the training continuum and provide essential support for standardizing technical training.

c. Strike Fighter Training Program (SFTP). NSAWC N7 (Topgun), SFWSL, SFWSP, and SWATSLANT, are developing post-FRS training at the squadron level for Navy Strike Fighter aircraft (F-14 and F/A-18). This post-FRS training continuum is known as the SFTP and is composed of three equally critical elements: the Strike Fighter Weapons and Tactics (SFWT) curricula, the Strike Fighter Tactics Instructor (SFTI), and the Strike Fighter Training System (SFTS). The SFWT curricula will be taught by each squadron's SFTI, who will be supported by the SFTS, a multimedia computer-based training system that will host CMI, CAI, CBT and ICW. Aircrew weapons proficiency training will continue to be accomplished using existing methods: Academic, Simulator (WTT/ WST), CATM and/or embedded aircraft simulation, and live missile shots supported by the Non-Combat Expenditure Allowance. However, capability ratings will be based on performance rather than completion, i.e., it will not be based simply upon completing the training events, but upon how well they are completed. Training events will be measured using defined metrics, and collectively these events will be evaluated to determine actual combat readiness, quantitatively (objectively) rather than qualitatively (subjectively).

2. Personnel Qualification Standards. Not Applicable (NA).

3. Other On-Board or In-service Training Packages.

a. Marine Aviation Training Management Evaluation Program. Marine Corps on-board training is based on the current series of MCO P4790.12, Individual Training Standards System and Marine Aviation Training Management Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 (series), maintenance training requirements. It is a performance-based, standardized, level-progressive training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks help identify training deficiencies that can be addressed with remedial training.

b. Conventional Weapon Technical Proficiency Inspection. The Conventional Weapon Technical Proficiency Inspection (CWTPI) is a graded inspection administered by either SFWSP, SFWSL, or SWATSLANT. The CWTPI covers all areas of conventional weapon load and release, and control systems checks. The inspection evaluates the squadron's ability to wire-check, upload and download conventional ordnance, use applicable publications, and place ordnance on its designated target. The squadron inspection is conducted annually, six months prior to deployment, or at the request of the squadron's Commanding Officer. A written examination is required by all personnel directly involved in the inspection, including squadron pilots. A 72 hour time limit is granted for the completion of the entire evolution. The final grade is an average score derived from the written exams, ordnance loads, wire checks, and the pilot's proficiency to deliver weapons on target. Pre-inspection training is provided by the appropriate SFWS followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician personnel at the appropriate school.

c. Marine Corps Combat Readiness Evaluation System (MCCRES). The USMC fighter and attack wings are scheduled by Headquarters, Marine Corps for a yearly Combat Readiness Evaluation. This is part of the Marine Corps Combat Readiness Evaluation System. An entire Marine Corps activity is moved to another location to participate in war exercises and to be evaluated. Training is an on-going Marine Corps evolution that culminates with the Combat Readiness Evaluation. The evaluation determines the need for further conventional weapons load training of squadron personnel.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers. The Hughes Missile System Company and the Raytheon Company were the production manufacturers of Sparrow. These two companies merged in FY98 to form Raytheon Missile Systems Company. Currently, there are only FMS requirements for Sparrow on current contracts, and no domestic Sparrow requirements.

2. Program Documentation. The approved Sparrow AIM/RIM/VL-7M/P/R ILSP is dated September 1992.

3. Technical Data Plan. Technical publications were updated with AIM-7P revisions through the technical manual revision process. Depot level facilities received technical manual changes through normal change distribution. Changes to support equipment technical manuals were provided for in the Engineering Change Proposals for the AN/DSM-156, AN/DPM-21, and AN/DPM-22. All technical publications to support the AIM/RIM-7M/P are available.

4. Test Sets, Tools, and Test Equipment

a. Test Sets. AIM-7M Guided Missile Test Sets (GMTS) required modifications via Engineering Change Proposals to provide test capability for the improvements in the AIM/RIM-7P. These included AN/DPM-21, AN/DPM-22, and AN/DSM-156 GMTS.

b. Tools. AIM -7P did not introduce any new peculiar tools. The only existing AIM-7M peculiar tools is the Wing Lock Tool, part number 1715AS382.

c. Other Support Equipment. AIM-7P made maximum use of common or existing Support Equipment (SE), and no additional peculiar SE was required. The following table lists the AIM-7M/P peculiar containers and cradles.

Table I-9. AIM-7M/P Peculiar Containers and Cradles.

CONTAINER/CRADLE	NSN or PART NUMBER	USE
Container, CNU-166/E	8140-00-370-9478	Shipping/storage of 3 AURs less wing and fins
Cradle, MK 12 MOD 1	8140-01-269-6475	Shipping/storage of 3 AURs less wing and fins
Cradle, MK 12 MOD 3	8140-01-347-2231	Shipping/storage of 3 AURs less wing and fins
Container, CNU-199/E	8140-00-466-9856	Shipping/storage of 4 wing and 4 fins

5. Repair Parts

a. Organizational- and Intermediate-Level Maintenance. There are no additional requirements for spare parts at the organizational- or intermediate-level maintenance activities, CV, CVN, NAS, or MCAS/MALS. Intermediate-level maintenance at NAWMU-1 required spare sections to support the AIM/RIM-7P by the Material Support Date of October 1993.

b. Depot-Level Maintenance. Common Sparrow spare parts are available in the supply system for depot-level maintenance. NWS and NAWMU-1 require spare sections to support Sparrow. Spare AIM/RIM-7P components were delivered prior to the Material Support Date of October 1993.

6. Human Systems Integration. NA.

K. SCHEDULES

1. Schedule of Events

a. Installation and Delivery Schedules. All AIM/RIM-7M have been delivered. AIM/RIM-7P deliveries are completed, however, new procurement of AIM/RIM-7P is dependent upon future FMS. As FMS activity increases, additional AIM/RIM-7P will be procured.

b. Ready For Operational Use Schedule. No unique fleet introduction was required for AIM/RIM-7P because changes from the AIM/RIM-7M to the AIM/RIM-7P were transparent to Navy and Marine Corps operators and maintenance technicians.

c. Time Required to Install at Operational Sites. NA. Sparrow is delivered to operational sites as an AUR.

d. Foreign Military Sales and Other Source Delivery Schedule. For information on FMS refer to PMA259.

e. Training Device and Delivery Schedule. NA. Existing CATM and DATM equipment are adequate for AIM-7P training.

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA.

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

Table I-10. Related NTSPs and Other Applicable Documents.

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
F-14 A/B/D Aircraft	A-50-8511B/D	PMA205	Preliminary Draft December 1996
F/A-18C/D Aircraft Weapons System	A-50-7703G/D	PMA265	Draft September 1996
Sparrow AIM/RIM/VL-7M/P/R Guided Missile System ILSP	MS-064	AIR-41821C	Approved September 1992
Sparrow Test and Evaluation Master Plan	M-159-1 RIM-7P	PMA259	Approved July 1989

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the AIM-7M/P; therefore, they are not included in Part II of this NTSP:

II.B. Personnel Requirements

II.B.3. Foreign, Other Service, and Non-Military Personnel Annual Training Input Requirement

NOTE 1: This section of the AIM-7M/P NTSP reflects maintenance billet and personnel requirements for the AIM-7M/P. It is a compilation of three organizational and one intermediate level NEC (AO 8335, AO 8342, AO 8345 and AO 6801, respectively) and one organizational and one intermediate level MOS (6531 and 6541, respectively) with associated billets. The addition of the AIM-7P to the organizational and intermediate level workloads is only a small percentage of the required workload for those NECs and MOS. The NECs and MOS are not dedicated to the AIM-7M/P; therefore, the overall training throughput for the NEC and MOS will remain the same, i.e., account for the total NEC/MOS community, and not just activities receiving AIM-7M/P.

NOTE 2: All billets identified in this section are programmed through other NTSPs, e.g., F/A-18 NTSP, F-14 NTSP, applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Documents. The activities and associated billets are listed to assist the weapons training community in identifying and managing training requirements throughout the development, production, and deployment of the AIM-7M/P.

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: 5/98

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
OPERATIONAL	NAVY						
NAVWPNTSTRON CL	39787	1	0	0	0	0	0
NAVWPNTSTRON PM	39788	1	0	0	0	0	0
NAVSTKAIRSTRON	39783	1	0	0	0	0	0
VX-9	55646	1	0	0	0	0	0
VF-101	09067	1	0	0	0	0	0
VF-14	09084	1	0	0	0	0	0
VF-32	09053	1	0	0	0	0	0
VF-41	09774	1	0	0	0	0	0
VF-154	09678	1	0	0	0	0	0
VF-211	09086	1	0	0	0	0	0
VF-213	09934	1	0	0	0	0	0
VF-102	09717	1	0	0	0	0	0
VF-103	09718	1	0	0	0	0	0
VF-2	09113	1	0	0	0	0	0
VF-11	09560	1	0	0	0	0	0
VF-31	09473	1	0	0	0	0	0
VF-143	09281	1	0	0	0	0	0
VF-201	09309	1	0	0	0	0	0
VFA-106	09679	1	0	0	0	0	0
VFA-125	09485	1	0	0	0	0	0
VFA-15	09015	1	0	0	0	0	0
VFA-34	09070	1	0	0	0	0	0
VFA-37	09478	1	0	0	0	0	0
VFA-81	09221	1	0	0	0	0	0
VFA-82	09122	1	0	0	0	0	0
VFA-83	09223	1	0	0	0	0	0
VFA-86	09943	1	0	0	0	0	0
VFA-87	63922	1	0	0	0	0	0
VFA-105	65183	1	0	0	0	0	0
VFA-131	63934	1	0	0	0	0	0
VFA-136	55141	1	0	0	0	0	0
VFA-127	08956	1	0	0	0	0	0
VFA-22	09561	1	0	0	0	0	0
VFA-25	09637	1	0	0	0	0	0
VFA-94	09295	1	0	0	0	0	0
VFA-97	63923	1	0	0	0	0	0
VFA-113	09092	1	0	0	0	0	0
VFA-115	09604	1	0	0	0	0	0
VFA-137	55142	1	0	0	0	0	0
VFA-146	09063	1	0	0	0	0	0
VFA-147	63925	1	0	0	0	0	0
VFA-151	09558	1	0	0	0	0	0
VFA-27	65185	1	0	0	0	0	0
VFA-154	09678	1	0	0	0	0	0
VFA-192	55179	1	0	0	0	0	0
VFA-195	09706	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: 5/98

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
VFA-203	09030	1	0	0	0	0	0
VFA-204	09032	1	0	0	0	0	0
NSAWC N7	69190	1	0	0	0	0	0
SFWSL	47084	1	0	0	0	0	0
SFWSP	35185	1	0	0	0	0	0
SWATSLANT	47157	1	0	0	0	0	0
VFC-12	52994	1	0	0	0	0	0
VFC-13	52995	1	0	0	0	0	0
TOTAL:		54	0	0	0	0	0
OPERATIONAL USMC							
VMFA-115	09234	1	0	0	0	0	0
VMFA-122	09407	1	0	0	0	0	0
VMFA-251	09241	1	0	0	0	0	0
VMFA-312	09253	1	0	0	0	0	0
VMFA (AW)-224	01224	1	0	0	0	0	0
VMFA (AW)-332	09501	1	0	0	0	0	0
VMFA (AW)-533	09193	1	0	0	0	0	0
VMFA-212	09434	1	0	0	0	0	0
VMFA-232	09242	1	0	0	0	0	0
VMFA-235	09237	1	0	0	0	0	0
VMFA-314	09230	1	0	0	0	0	0
VMFA-323	09235	1	0	0	0	0	0
VMFA (AW)-121	09257	1	0	0	0	0	0
VMFA (AW)-225	09232	1	0	0	0	0	0
VMFA-112	08954	1	0	0	0	0	0
VMFA-134	09365	1	0	0	0	0	0
VMFA-142	67243	1	0	0	0	0	0
VMFA-321	67235	1	0	0	0	0	0
MALS Aug Beaufort	67863	1	0	0	0	0	0
MALS Aug Miramar	09111	1	0	0	0	0	0
MAWTS-1	55167	1	0	0	0	0	0
VMFAT-101	09965	1	0	0	0	0	0
TOTAL:		22	0	0	0	0	0
FLEET SUPPORT NAVY							
AIMD Cecil Field	60200	1	0	0	0	0	0
AIMD Dallas	00215	1	0	0	0	0	0
AIMD Fallon	60495	1	0	0	0	0	0
AIMD Lemoore	63042	1	0	0	0	0	0
AIMD Oceana	60191	1	0	0	0	0	0
COMNAVAIRLANT	57012	1	0	0	0	0	0
CV-62 USS Independence	03362	1	0	0	0	0	0
CV-63 USS Kitty Hawk	03363	1	0	0	0	0	0
CV-64 USS Constellation	03364	1	0	0	0	0	0
CVN-65 USS Enterprise	03365	1	0	0	0	0	0
CVN-68 USS Nimitz	03368	1	0	0	0	0	0
CVN-69 USS Eisenhower	03369	1	0	0	0	0	0
CVN-70 USS Vinson	20993	1	0	0	0	0	0
CVN-71 USS Roosevelt	21247	1	0	0	0	0	0
CVN-72 USS Lincoln	21297	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: NAVAIRSYSCOM PMA259/PMA205

DATE: 5/98

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
CVN-73 USS Washington	21412	1	0	0	0	0	0
CVN-74 USS Stennis	21847	1	0	0	0	0	0
CVN-75 USS Truman	21853	0	1	0	0	0	0
NAWMU-1	52821	1	0	0	0	0	0
NAWCAD Patuxent River	00421	1	0	0	0	0	0
NAWCWD Point Mugu	63126	1	0	0	0	0	0
NAWS Point Mugu	0429A	1	0	0	0	0	0
NAWS China Lake	68937	1	0	0	0	0	0
TOTAL:		22	1	0	0	0	0
FLEET SUPPORT	USMC						
MAD China Lake	67852	1	0	0	0	0	0
MAD Patuxent River	67356	1	0	0	0	0	0
MALS-11 Miramar	09233	1	0	0	0	0	0
MALS-12 Iwakuni	09377	1	0	0	0	0	0
MALS-13 Yuma	57082	1	0	0	0	0	0
MALS-31 Beaufort	09384	1	0	0	0	0	0
MALS-41 Fort Worth	67239	1	0	0	0	0	0
MALS-42 Marietta	67236	1	0	0	0	0	0
MALS-46 Miramar	67244	1	0	0	0	0	0
MASD Andrews	04801	1	0	0	0	0	0
TOTAL:		10	0	0	0	0	0

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
OPERATIONAL	NAVY					
NAVWPNTSTRON CL	39787					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8342
ACTIVITY TOTAL:			0	8		
NAVWPNTSTRON PM	39788					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8345
ACTIVITY TOTAL:			0	8		
NAVSTKAIRSTRON	39783					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8342
ACTIVITY TOTAL:			0	8		
VX-9	55646					
ACDU			0	3	AO	6801
ACDU			0	5	AO	8342
ACTIVITY TOTAL:			0	8		
VF-101	09067					
ACDU			0	5	AO	8345
VF-14	09084					
ACDU			0	5	AO	8345
VF-32	09053					
ACDU			0	5	AO	8345
VF-41	09774					
ACDU			0	5	AO	8345
VF-154	09678					
ACDU			0	5	AO	8345
VF-211	09086					
ACDU			0	5	AO	8345
VF-213	09934					
ACDU			0	5	AO	8345
VF-102	09717					
ACDU			0	5	AO	8345
VF-103	09718					
ACDU			0	5	AO	8345
VF-2	09113					
ACDU			0	5	AO	8335
VF-11	09560					
ACDU			0	5	AO	8335
VF-31	09473					
ACDU			0	5	AO	8335
VF-143	09281					
ACDU			0	5	AO	8335
VF-201	09309					
TAR			0	5	AO	8345

¹ All billet requirements shown are programmed in the F-14 NTSP, F/A-18 NTSP, the applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Document.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VFA-106	09679					
AD			0	1	AO	6541
ACDU			0	5	AO	8342
ACTIVITY TOTAL:			0	6		
VFA-125	09485					
AD			0	1	AO	6541
ACDU			0	5	AO	8342
ACTIVITY TOTAL:			0	6		
VFA-15	09015					
ACDU			0	5	AO	8342
VFA-34	09070					
ACDU			0	5	AO	8342
VFA-37	09478					
ACDU			0	5	AO	8342
VFA-81	09221					
ACDU			0	5	AO	8342
VFA-82	09122					
ACDU			0	5	AO	8342
VFA-83	09223					
ACDU			0	5	AO	8342
VFA-86	09943					
ACDU			0	5	AO	8342
VFA-87	63922					
ACDU			0	5	AO	8342
VFA-105	65183					
ACDU			0	5	AO	8342
VFA-131	63934					
ACDU			0	5	AO	8342
VFA-136	55141					
ACDU			0	5	AO	8342
VFA-127	08956					
ACDU			0	5	AO	8342
VFA-22	09561					
ACDU			0	5	AO	8342
VFA-25	09637					
ACDU			0	5	AO	8342
VFA-94	09295					
ACDU			0	5	AO	8342
VFA-97	63923					
ACDU			0	5	AO	8342
VFA-113	09092					
ACDU			0	5	AO	8342
VFA-115	09604					
ACDU			0	5	AO	8342
VFA-137	55142					
ACDU			0	5	AO	8342
VFA-146	09063					
ACDU			0	5	AO	8342
VFA-147	63925					
ACDU			0	5	AO	8342
VFA-151	09558					
ACDU			0	5	AO	8342

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VFA-27	65185					
	ACDU		0	5	AO	8342
VFA-192	55179					
	ACDU		0	5	AO	8342
VFA-195	09706					
	ACDU		0	5	AO	8342
VFA-203	09030					
	TAR		0	5	AO	8342
VFA-204	09032					
	TAR		0	5	AO	8342
NSAWC N7	69190					
	ACDU		0	5	AO	8342
SWATSLANT	47157					
	ACDU		0	5	AO	8335/8345
SFWSL	47084					
	ACDU		0	5	AO	8342
SFWSP	35185					
	ACDU		0	5	AO	8342
VFC-12	52994					
	TAR		0	5	AO	8342
VFC-13	52995					
	TAR		0	5	AO	8342
OPERATIONAL	USMC					
VMFA-115	09234					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-122	09407					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-251	09241					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-312	09253					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-224	01224					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-332	09501					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VMFA (AW)-533	09193					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-212	09434					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-232	09242					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-235	09237					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-314	09230					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-323	09235					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-121	09257					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-225	09232					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA (AW)-242	09668					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFA-112	08954					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541
ACTIVITY TOTAL:			0	11		
VMFA-134	09365					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541
ACTIVITY TOTAL:			0	11		

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
VMFA-142	67243					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541
ACTIVITY TOTAL:			0	11		
VMFA-321	67235					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
	AR		0	3	AO	6541
ACTIVITY TOTAL:			0	11		
MALS Aug Beaufort	67863					
	AD		0	3	AO	6541
MALS Aug Miramar	09111					
	AD		0	3	AO	6541
MAWTS-1	55167					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
VMFAT-101	09965					
	AD		0	5	AO	6531
	AD		0	3	AO	6541
ACTIVITY TOTAL:			0	8		
FLEET SUPPORT	NAVY					
AIMD Cecil Field	60200					
	ACDU		0	3	AO	6801
AIMD Dallas	00215					
	TAR		0	3	AO	6801
AIMD Fallon	60495					
	ACDU		0	3	AO	6801
AIMD Lemoore	63042					
	ACDU		0	3	AO	6801
AIMD Oceana	60191					
	ACDU		0	3	AO	6801
COMNAVAIRLANT	57012					
	ACDU		0	3	AO	6801
CV-62 USS Independence	03362					
	ACDU		0	3	AO	6801
CV-63 USS Kitty Hawk	03363					
	ACDU		0	3	AO	6801
	SELRES		0	2	AO	6801
ACTIVITY TOTAL:			0	5		
CV-64 USS Constellation	03364					
	ACDU		0	3	AO	6801
CVN-65 USS Enterprise	03365					
	ACDU		0	3	AO	6801
CVN-68 USS Nimitz	03368					
	ACDU		0	3	AO	6801

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
CVN-69 USS Eisenhower ACDU	03369		0	3	AO	6801
CVN-70 USS Vinson ACDU	20993		0	3	AO	6801
CVN-71 USS Roosevelt ACDU	21247		0	3	AO	6801
CVN-72 USS Lincoln ACDU	21297		0	3	AO	6801
CVN-73 USS Washington ACDU	21412		0	3	AO	6801
CVN-74 USS Stennis ACDU	21847		0	3	AO	6801
CVN-75 USS Truman ACDU	21853		0	3	AO	6801
NAWMU-1 ACDU	52821		0	6	AO	6801
NAWCAD Patuxent River ACDU	00421		0	2	AO	6801
			0	2	AO	6801/8345
ACTIVITY TOTAL:			0	4		
NAWCWD Point Mugu ACDU	63126		0	1	AO	6801
NAWS Point Mugu ACDU	0429A		0	3	AO	6801
NAWS China Lake SELRES	68937		0	1	AO	6801
FLEET SUPPORT	USMC					
MAD China Lake AD	67852		0	2	AO	6541
MAD Patuxent River AD	67356		0	1	AO	6541
MALS-11 Miramar AD	09233		0	3	AO	6541
MALS-12 Iwakuni AD	09377		0	3	AO	6541
MALS-13 Yuma AD	57082		0	3	AO	6541
MALS-31 Beaufort AD	09384		0	3	AO	6541
MALS-41 Fort Worth AR	67239		0	3	AO	6541
			0	3	AO	6541
ACTIVITY TOTAL:			0	6		
MALS-42 Marietta AR	67236		0	3	AO	6541
			0	2	AO	6541
ACTIVITY TOTAL:			0	5		

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES¹

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
MALS-46 Miramar	67244					
	AR		0	3	AO	6541
MASD Andrews	04801					
	AD		0	1	AO	6541

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES²

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY97		FY98		FY99		FY00		FY01	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
OPERATIONAL ACTIVITY - ACDU													
AO	6801	0	12	0	0	0	0	0	0	0	0	0	0
AO	8335	0	25	0	0	0	0	0	0	0	0	0	0
AO	8342	0	165	0	0	0	0	0	0	0	0	0	0
AO	8345	0	50	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - TAR													
AO	8342	0	20	0	0	0	0	0	0	0	0	0	0
AO	8345	0	5	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AD													
AO	6531	0	96	0	0	0	0	0	0	0	0	0	0
AO	6541	0	69	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AR													
AO	6531	0	20	0	0	0	0	0	0	0	0	0	0
AO	6541	0	12	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	63	0	0	0	0	0	0	0	0	0	0
AO	6801/8345	0	2	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - TAR													
AO	6801	0	3	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - SELRES													
AO	6801	0	3	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AD													
AO	6541	0	26	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AR													
AO	6541	0	9	0	0	0	0	0	0	0	0	0	0
SUMMARY TOTAL:													
OPERATIONAL ACTIVITY - ACDU		0	202	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - TAR		0	25	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AD		0	165	0	0	0	0	0	0	0	0	0	0
OPERATIONAL ACTIVITY - AR		0	32	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - ACDU		0	65	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - TAR		0	3	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - SELRES		0	3	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AD		0	26	0	0	0	0	0	0	0	0	0	0
FLEET SUPPORT ACTIVITY - AR		0	9	0	0	0	0	0	0	0	0	0	0

² All billet requirements shown are programmed in the F-14 NTSP, F/A-18 NTSP, the applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Document.

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES²

DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY97		FY98		FY99		FY00		FY01	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
GRAND TOTAL:													
	ACDU	0	267	0	0	0	0	0	0	0	0	0	0
	TAR	0	28	0	0	0	0	0	0	0	0	0	0
	SELRES	0	3	0	0	0	0	0	0	0	0	0	0
	AD	0	191	0	0	0	0	0	0	0	0	0	0
	AR	0	41	0	0	0	0	0	0	0	0	0	0

II.A.2.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY DEACTIVATION SCHEDULE

ACTIVITY	UIC	PFYs	CFY98	FY99	FY00	FY01	FY02
FLEET SUPPORT	NAVY						
CV-62 USS Independence	03362	0	1	0	0	0	0
TOTAL		0	1	0	0	0	0

II.A.2.b. BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY	UIC	PHASING INCR.	BILLETS OFF	ENL	DESIGN RATING	PNEC/SNEC PMOS/SMOS
FLEET SUPPORT	NAVY					
CV-62 USS Independence	03362					
ACDU		FY98	0	3	AO	6801
ACTIVITY TOTAL:			0	3		

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIGN	PNEC/SNEC	PFYs		CFY98		FY99		FY00		FY01		FY02	
RATING	PMOS/SMOS	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
FLEET SUPPORT ACTIVITY - ACDU													
AO	6801	0	0	0	3	0	0	0	0	0	0	0	0

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS³

INSTRUCTOR BILLETS

TRAINING ACTIVITY, LOCATION, UIC: MTU 4032 NAMTRAGRUDET NAS Norfolk 66046													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	7	0	7	0	7	0	7	0	7	0	7
SELRES													
AO	6801/9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:		0	9	0	9	0	9	0	9	0	9	0	9

TRAINING ACTIVITY, LOCATION, UIC: MTU 4030 NAMTRAGRUDET NS Mayport 66069													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	3	0	3	0	3	0	3	0	3	0	3
SELRES													
AO	6801/9502	0	1	0	1	0	1	0	1	0	1	0	1
TOTAL:		0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: MTU 4033 NAMTRAGRUDET NAS North Island 66065													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACDU													
AO	6801/9502	0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: MTU 4034 VMAT-203 FREST MCAS Cherry Point 45483													
DESIGN RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
AD													
	6541	0	21	0	21	0	21	0	21	0	21	0	21

³ Instructor billet requirements shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AIM-7M/P.

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS ⁴

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY98		FY99		FY00		FY01		FY02	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU 4032 NAMTRAGRUDET, NAS Norfolk, 66046	USN	0	5.6	0	4.9	0	5.1	0	5.1	0	5.1	0	5.1
MTU 4030 NAMTRAGRUDET, NS Mayport, 66069	USN	0	0.8	0	0.8	0	0.7	0	0.1	0	0.1	0	0.1
MTU 4033 NAMTRAGRUDET, NAS North Island, 66065	USN	0	3.8	0	3.8	0	3.8	0	3.8	0	3.8	0	3.8
VMAT-203 FREST, MCAS Cherry Point, 45483	USMC	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6
SUMMARY TOTAL:	USN	0	10.2	0	9.5	0	9.6	0	9.0	0	9.0	0	9.0
	USMC	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	0	55.6
GRAND TOTAL:		0	65.8	0	65.1	0	65.2	0	64.6	0	64.6	0	64.6

⁴ Chargeable student billet requirements shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AIM-7M/P.

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS⁵

a. OFFICER - USN: NA

b. ENLISTED - USN:

RATING	PNEC/SNEC	BILLET BASE	CFY98		FY99		FY00		FY01		FY02	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Operational Billets ACDU and TAR												
AO	6801	12	0	12	0	12	0	12	0	12	0	12
AO	8335	25	0	25	0	25	0	25	0	25	0	25
AO	8342	185	0	185	0	185	0	185	0	185	0	185
AO	8345	55	0	55	0	55	0	55	0	55	0	55
Fleet Support Billets ACDU and TAR												
AO	6801	66	-3	63	0	63	0	63	0	63	0	63
AO	6801/8345	2	0	2	0	2	0	2	0	2	0	2
Instructor and Support (Staff) Billets ACDU and TAR												
AO	6801/9502	14	0	14	0	14	0	14	0	14	0	14
Chargeable Student Billets ACDU and TAR												
		10	0	10	0	10	0	9	0	9	0	9
TOTAL USN ENLISTED BILLETS:												
Operational		277	0	277	0	277	0	277	0	277	0	277
Fleet Support		68	0	65	0	65	0	65	0	65	0	65
Staff		14	0	14	0	14	0	14	0	14	0	14
Student		10	0	10	0	10	0	9	0	9	0	9
SELRES		3	0	3	0	3	0	3	0	3	0	3

c. OFFICER - USMC: NA

d. ENLISTED - USMC:

RATING	PMOS/SMOS	BILLET BASE	CFY97		FY98		FY99		FY00		FY01	
			+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Operational Billets AD and AR												
	6531	116	0	106	0	106	0	106	0	106	0	106
	6541	81	0	83	0	83	0	83	0	83	0	83
Fleet Support Billets AD and AR												
	6541	35	0	35	0	35	0	35	0	35	0	35
Instructor and Support (Staff) Billets AD and AR												
	6541	21	0	21	0	21	0	21	0	21	0	21
Chargeable Student Billets AD and AR												
		56	0	56	0	56	0	56	0	56	0	56
TOTAL USMC ENLISTED BILLETS:												
Operational		197	0	189	0	189	0	189	0	189	0	189
Fleet Support		35	0	35	0	35	0	35	0	35	0	35
Staff		21	0	21	0	21	0	21	0	21	0	21
Student		56	0	56	0	56	0	56	0	56	0	56
SMCR		0	0	0	0	0	0	0	0	0	0	0

⁵ Billet base identified is only a portion of the total applicable NEC/MOS billet base, which is allocated for all air-launched weapons and ordnance maintenance. Billets are programmed through applicable CV/CVN Class Total Ship NTSPs and Shore Activity Manning Documents.

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS⁶

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6.0 Weeks **SEA TOUR LENGTH:** Navy: 36 Months
ATTRITION FACTOR: Navy: 10 % **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU-TAR SELRES	CY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU-4030 NAMTRAGRUDET, NS Mayport ⁷	USN	ACDU-TAR	0	8	0	7	0	1	0	1	0	1
MTU-4032 NAMTRAGRU DET, NAS Norfolk	USN	ACDU-TAR	0	47	0	49	0	49	0	49	0	49
	USN	SELRES	0	1	0	0	0	0	0	1	0	0
		TOTAL	0	48	0	49	0	49	0	50	0	49

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
COURSE LENGTH: 6.0 Weeks **SEA TOUR LENGTH:** Navy: 36 Months
ATTRITION FACTOR: Navy: 10 % **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU-TAR SELRES	CY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU-4033 NAMTRAGRU DET, NAS North Island	USN	ACDU-TAR	0	37	0	37	0	37	0	37	0	37
	USN	SELRES	0	1	0	1	0	1	0	1	0	1
		TOTAL	0	38	0	38	0	38	0	38	0	38

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance
COURSE LENGTH: 10.6 Weeks **SEA TOUR LENGTH:** NA
ATTRITION FACTOR: Marine: 0 % **BACKOUT FACTOR:** 0.21

TRAINING ACTIVITY	SOURCE	ACDU-TAR SELRES	CY98		FY99		FY00		FY01		FY02	
			OFF	ENL								
MTU-4034 VMAT-203 FREST, MCAS Cherry Point	USMC	AD-AR	0	257	0	257	0	257	0	257	0	257

ACTIVITY TOTAL:

MTU-4030 NAMTRAGRU DET	0	8	0	7	0	1	0	1	0	1	0	1
MTU-4032 NAMTRAGRU DET	0	48	0	49	0	49	0	50	0	49	0	49
MTU-4033 NAMTRAGRU DET	0	38	0	38	0	38	0	38	0	38	0	38
MTU-4034 VMAT-203 FREST	0	257	0	257	0	257	0	257	0	257	0	257

⁶ ATIR shown are for the total course throughput for applicable NEC/MOS, not just throughput required to support AIM-7M/P.

⁷ MTU 4030 NAMTRAGRUDET will begin to transfer functions to MTU 4035 NAMTRAGRUDET in FY99.

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AIM-7M/P Sparrow Missile System; therefore, they are not included in Part III of this NTSP:

III.A. Training Course Requirements

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.b. Planned Courses

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET⁸

LOCATION, UIC: NS Mayport, 66069

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	8.0	0	7.0	0	1.0	0	1.0	0	1.0	ATIR
0	7.0	0	6.0	0	1.0	0	1.0	0	1.0	Output
0	0.8	0	0.7	0	0.1	0	0.1	0	0.1	AOB
0	0.8	0	0.7	0	0.1	0	0.1	0	0.1	Chargeable

TRAINING ACTIVITY: MTU-4032 NAMTRAGRUDET

LOCATION, UIC: NAS Norfolk, 66046

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	47.0	0	49.0	0	49.0	0	49.0	0	49.0	ATIR
0	42.0	0	44.0	0	44.0	0	44.0	0	44.0	Output
0	4.9	0	5.1	0	5.1	0	5.1	0	5.1	AOB
0	4.9	0	5.1	0	5.1	0	5.1	0	5.1	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	1.0	0	0	0	0	0	1.0	0	0	ATIR
0	1.0	0	0	0	0	0	1.0	0	0	Output
0	0.1	0	0	0	0	0	0.1	0	0	AOB
0	0.0	0	0	0	0	0	0.0	0	0	Chargeable

⁸ MTU 4030 NAMTRAGRUDET will begin to transfer functions to MTU 4035 NAMTRAGRUDET in FY99.

III.A.2.a. EXISTING COURSES

TRAINING ACTIVITY: MTU-4033 NAMTRAGRU DET

LOCATION, UIC: NAS North Island, 66065

CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

SOURCE: NAVY **STUDENT CATEGORY:** ACDU-TAR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	37.0	0	37.0	0	37.0	0	37.0	0	37.0	ATIR
0	33.0	0	33.0	0	33.0	0	33.0	0	33.0	Output
0	3.8	0	3.8	0	3.8	0	3.8	0	3.8	AOB
0	3.8	0	3.8	0	3.8	0	3.8	0	3.8	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	1.0	0	1.0	0	1.0	0	1.0	0	1.0	ATIR
0	1.0	0	1.0	0	1.0	0	1.0	0	1.0	Output
0	0.1	0	0.1	0	0.1	0	0.1	0	0.1	AOB
0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	Chargeable

TRAINING ACTIVITY: MTU-4034 VMAT-203 FREST

LOCATION, UIC: MCAS Cherry Point, 45483

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance

SOURCE: USMC **STUDENT CATEGORY:** AD - AR

CY98		FY99		FY00		FY01		FY02		
OFF	ENL									
0	257	0	257	0	257	0	257	0	257	ATIR
0	257	0	257	0	257	0	257	0	257	Output
0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	AOB
0	55.6	0	55.6	0	55.6	0	55.6	0	55.6	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the AIM-7M/P Sparrow Missile System; therefore, they are not included in Part IV of this NTSP:

IV.B Courseware Requirements

IV.B.1. Training Services

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: NATTC
LOCATION, UIC: NAS Pensacola, 63082
CIN, COURSE TITLE: C-646-2011, Aviation Ordnanceman Common Core Class A1
 C-646-2012, Aviation Ordnanceman Airwing Strand Class A1
 C-646-2013, Aviation Ordnanceman Weapons Department Strand Class A1

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	Container, CNU-166/E		1		GFE	On-site
002	Cradle, MK 12 MOD 1		1		GFE	On-site
003	Cradle, MK 12 MOD 3		1		GFE	On-site
004	Container, CNU-199/E		1		GFE	On-site
005	Wing Lock Tool		1		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

TRAINING ACTIVITY: MTU-1007 NAMTRAGRUDET
LOCATION, UIC: NAS Oceana, 66045
CIN, COURSE TITLE: C-646-9962, F-14A/B Armament Systems Organizational Maintenance (Initial)
 C-646-9963, F-14 Armament Systems Organizational Maintenance (Career)
 C-646-9906, F-14D Armament Systems Organizational Maintenance (Difference)

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
005	Wing Lock Tool		4		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

TRAINING ACTIVITY: SWATSLANT
LOCATION, UIC: NAS Oceana, 47157
CIN, COURSE TITLE: D-646-1644, F-14A/B Conventional Weapons Loading
 D-646-1645, F-14A/B Integrated Weapons Team Refresher Training
 D-646-1646, F-14D Conventional Weapons Loading
 D-646-1648, F-14D Integrated Weapons Team Refresher Training

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
005	Wing Lock Tool		4		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

TRAINING ACTIVITY: MTU-1038 NAMTRAGRUDET
LOCATION, UIC: NAS Lemoore, 66060
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management Integrated Organizational Maintenance (Initial)
 C-646-9964, F/A-18 Stores Management Integrated Organizational Maintenance (Career)

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
005	Wing Lock Tool		4		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: MTU-1039 NAMTRAGRUDET
LOCATION, UIC: NAS Cecil Field, 66047
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management Integrated Organizational Maintenance (Initial)
 C-646-9964, F/A-18 Stores Management Integrated Organizational Maintenance (Career)

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
005	Wing Lock Tool		4		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

TRAINING ACTIVITY: SFWSP
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading
 E-646-0647, F/A-18 Conventional Release System Test

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
005	Wing Lock Tool		4		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

TRAINING ACTIVITY: SFWSL
LOCATION, UIC: NAS Lemoore, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading
 D-646-0647, F/A-18 Conventional Release System Test

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
005	Wing Lock Tool		4		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

TRAINING ACTIVITY: MTU-4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	Container, CNU-166/E		1		GFE	On-site
002	Cradle, MK 12 MOD 1		1		GFE	On-site
003	Cradle, MK 12 MOD 3		1		GFE	On-site
004	Container, CNU-199/E		1		GFE	On-site

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: MTU-4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	Container, CNU-166/E		1		GFE	On-site
002	Cradle, MK 12 MOD 1		1		GFE	On-site
003	Cradle, MK 12 MOD 3		1		GFE	On-site
004	Container, CNU-199/E		1		GFE	On-site

TRAINING ACTIVITY: MTU-4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: E-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	Container, CNU-166/E		1		GFE	On-site
002	Cradle, MK 12 MOD 1		1		GFE	On-site
003	Cradle, MK 12 MOD 3		1		GFE	On-site
004	Container, CNU-199/E		1		GFE	On-site

TRAINING ACTIVITY: MTU 4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 57081
CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance
 None, F/A-18 Conventional Weapons Loading

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	Container, CNU-166/E		1		GFE	On-site
002	Cradle, MK 12 MOD 1		1		GFE	On-site
003	Cradle, MK 12 MOD 3		1		GFE	On-site
004	Container, CNU-199/E		1		GFE	On-site
005	Wing Lock Tool		4		GFE	On-site
006	Cable Test Set A/E-24M-38		1		GFE	On-site

IV.A.2. TRAINING DEVICES

DEVICE: Captive Air Training Missile, CATM-7F-3

DESCRIPTION OF DEVICE: The CATM-7F-3 is an inert, captive flight training missile that permits practice of aircrew pre-launch employment procedures.

MANUFACTURER: NA

CONTRACT NUMBER: NA

TEE STATUS: NA

TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED
VF-101, NAS Oceana, 09067	20			On-site	D-2A-1601, D-2D-1601 D-2A-1602, D-2D-1602 D-2A-1603, D-2D-1603 D-2A-1604, D-2D-1604 D-2A-1605, D-2D-1605 D-2A-1631, D-2D-1631 D-2A-1634, D-2D-1634 D-2A-1637, D-2D-1637 D-2A-1640, D-2D-1640
SWATSLANT, NAS Oceana, 47157	10			On-site	SFARP SFWE
VF-14, NAS Oceana, 09084	10			On-site	T&R
VF-32, NAS Oceana, 09053	10			On-site	T&R
VF-41, NAS Oceana, 09774	10			On-site	T&R
VF-154, Yokosuka, 09678	10			On-site	T&R
VF-211, NAS Oceana, 09086	10			On-site	T&R
VF-213, NAS Oceana, 09934	10			On-site	T&R
VF-102, NAS Oceana, 09717	10			On-site	T&R
VF-103, NAS Oceana, 09718	10			On-site	T&R
VF-2, NAS Oceana, 09113	10			On-site	T&R
VF-11, NAS Oceana, 09560	10			On-site	T&R
VF-31, NAS Oceana, 09473	10			On-site	T&R
VF-143, NAS Oceana, 09281	10			On-site	T&R
VF-201, JRB NAS Fort Worth, 09309	10			On-site	T&R
TOTAL:	160				

IV.A.2. TRAINING DEVICES

DEVICE: Dummy Air Training Missile, DATM-7F-11

DESCRIPTION OF DEVICE: The DATM is physically representative of the AIM-7M/P. It is a training device to facilitate instruction and familiarization for transporting, handling, loading, and visual inspection procedures for organizational- and intermediate-level training purposes. The DATM is not certified for flight, and is designed for ground training use only. The CATM-7F-3 is a suitable replacement for the DATM-7F-11 requirement.

MANUFACTURER: NA

CONTRACT NUMBER: NA

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
MTU-1007, NAMTRAGRUDET NAS Oceana, 66045	2			On-site	C-646-9973 C-646-9974
SWATSLANT NAS Oceana, 47157	2			On-site	D-646-1644 D-646-1645 D-646-1646 D-646-1648
MTU-1039, NAMTRAGRUDET NAS Cecil Field, 66050	2			On-site	C-646-9973 C-646-9974
MTU-1038, NAMTRAGRUDET NAS Lemoore, 66060	2			On-site	C-646-9973 C-646-9974
SFWSL NAS Cecil Field, 47084	2			On-site	D-646-0640 D-646-0647
SFWSP NAS Lemoore, 35185	2			On-site	E-646-0640 E-646-0647
MTU-4030, NAMTRAGRUDET NAS Mayport, 66069	2			On-site	C-122-3111
MTU-4032, NAMTRAGRUDET NAS Norfolk, 66046	2			On-site	C-122-3111
MTU-4033, NAMTRAGRUDET NAS North Island, 66065	2			On-site	C-122-3111
MTU-4034 VMAT-203, FREST MCAS Cherry Point, 45483	2			On-site	C-646-3105 and F/A-18 Conventional Weapons Loading
NATTC, NAS Pensacola, 63082	2			On-site	C-646-2011 C-646-2012 C-646-2013
NAF Washington Andrews AFB, Maryland, 00166	2			On-site	F/A-18 Conventional Weapons Loading
NAS Atlanta Marietta, Georgia, 00196	2			On-site	F/A-18 Conventional Weapons Loading
NAS/Joint Reserve Base (JRB) New Orleans New Orleans, Louisiana, 00206	2			On-site	F/A-18 Conventional Weapons Loading
NAS/JRB Fort Worth Fort Worth, Texas, 00215	2			On-site	F/A-18 Conventional Weapons Loading
TOTAL:	30				

IV.A.2. TRAINING DEVICES

DEVICE: Practical Explosive Ordnance Disposal System Trainer (PEST)

DESCRIPTION OF DEVICE: The basic performance requirements for a PEST are: 1) to replicate the external features of tactical missile for visual identification purposes; 2) to possess the same weight and center of gravity as the tactical missile for handling realism; 3) to contain inert explosive train components; and 4) to disassemble identically to the tactical missile (where applicable) in order to practice Render Safe Procedures (RSP). An AIM-7 PEST was never developed nor procured, however, practical training requirements for AIM-7 are currently met through the use of inert tactical missiles and/or components.

MANUFACTURER: NA

CONTRACT NUMBER: NA

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
NAVSCOLEOD NAVSURFWARCEN Indian Head, 62640	1			On-site	A-431-0011 A-431-0012
EODTEU ONE NAS Barbers Point, 30202	1			On-site	G-431-0001
EODTEU TWO Fort Story, 43505	1			On-site	G-431-0001

DEVICE: Classroom Explosive Ordnance Disposal System Trainer (CEST)

DESCRIPTION OF DEVICE: The basic performance requirements for a CEST are: 1) to replicate the external features of tactical missile for visual identification purposes; 2) to contain inert explosive train components; and 3) to provide cut-away areas in its exterior in order to view the inert explosive train components for teaching RSPs. An AIM-7 CEST was never developed nor procured; however, classroom training requirements for AIM-7 are currently supported through the use of inert tactical missiles and/or components that have been modified (cut-away) to view internal, inert explosive components.

MANUFACTURER: NA

CONTRACT NUMBER: NA

TEE STATUS: NA

<u>TRAINING ACTIVITY LOCATION, UIC</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>RFT DATE</u>	<u>STATUS</u>	<u>COURSES SUPPORTED</u>
NAVSCOLEOD NAVSURFWARCEN Indian Head, 62640	1			On-site	A-431-0011 A-431-0012

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

AIM-7M/P data is integrated within applicable existing follow-on courses. There are no stand-alone AIM-7M/P courses.

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, 09679
CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 09485
CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: NAS Miramar, 45526
CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic and Transition
 M13P3V3, F/A-18 Fleet Replacement Pilot Refresher
 M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher
 M13P4C3, F/A-18 WSO Basic and Transition
 M13P3R3, F/A-18 WSO Refresher
 M13P3S3, F/A-18 WSO Modified Refresher

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 40784
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter Weapons Employment (SFWE)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter Weapons Employment (SFWE)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VF-101
LOCATION, UIC: NAS Oceana, 09067
CIN, COURSE TITLE: D-2A-1601, F-14A/B Pilot Cat 1 D-2D-1601, F-14A/B NFO Cat 1
 D-2A-1602, F-14A/B Pilot Cat 2 D-2D-1602, F-14A/B NFO Cat 2
 D-2A-1603, F-14A/B Pilot Cat 3 D-2D-1603, F-14A/B NFO Cat 3
 D-2A-1604, F-14A/B Pilot Cat 4 D-2D-1604, F-14A/B NFO Cat 4
 D-2A-1605, F-14A/B Pilot Cat 5 D-2D-1605, F-14A/B NFO Cat 5
 D-2A-1631, F-14D Pilot Cat 1 D-2D-1631, F-14D NFO Cat 1
 D-2A-1634, F-14D Pilot Cat 2 D-2D-1634, F-14D NFO Cat 2
 D-2A-1637, F-14D Pilot Cat 3 D-2D-1637, F-14D NFO Cat 3
 D-2A-1640, F-14D Pilot Cat 4 D-2D-1640, F-14D NFO Cat 4

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

TRAINING ACTIVITY: Strike Weapons And Tactics School Atlantic
LOCATION, UIC: NAS Oceana, 47157
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
 Strike Fighter Weapons Employment (SFWE)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

TRAINING ACTIVITY: Naval Strike and Air Warfare Center N7 (Topgun)
LOCATION, UIC: NAS Fallon, 69190
CIN, COURSE TITLE: Strike Fighter Training Program (SFTP)
 Strike Fighter Tactics Instructor (SFTI)
 Strike Fighter Weapons and Tactics (SFWT)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
SFTS AIM-7M/P Brief	1 Set		On Board

TRAINING ACTIVITY: NATTC
LOCATION, UIC: NAS Pensacola, 63082
CIN, COURSE TITLE: C-646-2011, Aviation Ordnance Common Core Class A1
 C-646-2012, Aviation Ordnance Airwing Strand Class A1
 C-646-2013, Aviation Ordnance Weapons Department Strand Class A1

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: MTU 1007 NAMTRAGRUDET
LOCATION, UIC: NAS Oceana, 66045
CIN, COURSE TITLE: C-646-9962, F-14A/B Armament Systems Initial Organizational Maintenance
 C-646-9963, F-14A/B Armament Systems Career Organizational Maintenance
 C-646-9906, F-14D Armament Systems Organizational Maintenance (Difference)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 1039 NAMTRAGRUDET
LOCATION, UIC: NAS Cecil Field, 66050
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System Initial Organizational Maintenance
 C-646-9974, F/A-18 Stores Management System Career Organizational Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: MTU 1038 NAMTRAGRUDET
LOCATION, UIC: NAS Lemoore, 66060
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System Organizational Maintenance (Initial)
 C-646-9974, F/A-18 Stores Management System Organizational Maintenance (Career)

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: Strike Weapons And Tactic School Atlantic
LOCATION, UIC: NAS Oceana, 47084
CIN, COURSE TITLE: D-646-1644, F-14A/B Conventional Weapons Loading
 D-646-1645, F-14A/B Integrated Weapons Team Refresher Training
 D-646-1646, F-14D Conventional Weapons Loading
 D-646-1648, F-14D Integrated Weapons Team Refresher Training

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading
 D-646-0647, F/A-18 Conventional Release System Test

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading
 E-646-0647, F/A-18 Conventional Release System Test

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: MTU 4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: MTU 4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: MTU 4034 VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point , 45483
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P Training Package	1 Set		On Board

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC: NAVSURFWARCEN Indian Head, 62640
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)
A-431-0012, EOD Phase II

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P RSP Data	1 Set		On Board

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: NAS Barbers Point, 30202
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P RSP Data	1 Set		On Board

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story, 43505
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7M/P RSP Data	1 Set		On Board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VFA-106
LOCATION, UIC: NAS Cecil Field, 09679
CIN, COURSE TITLE: D-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 D-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 D-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 D-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

TRAINING ACTIVITY: VFA-125
LOCATION, UIC: NAS Lemoore, 09485
CIN, COURSE TITLE: E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1
 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A
 E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A
 E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VMFAT-101
LOCATION, UIC: NAS Miramar, 45526
CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic and Transition
M13P3V3, F/A-18 Fleet Replacement Pilot Refresher
M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher
M13P4C3, F/A-18 WSO Basic and Transition
M13P3R3, F/A-18 WSO Refresher
M13P3S3, F/A-18 WSO Modified Refresher

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 40784
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
Strike Fighter Weapons Employment (SFWE)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: Strike Fighter Advanced Readiness Program (SFARP)
Strike Fighter Weapons Employment (SFWE)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Naval Strike and Air Warfare Center N7 (Topgun)
LOCATION, UIC: NAS Fallon, 69190
CIN, COURSE TITLE: Strike Fighter Training Program (SFTP)
 Strike Fighter Tactics Instructor (SFTI)
 Strike Fighter Weapons and Tactics (SFWT)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F-14, NA 01-F14AAA-1	Hard copy	6		On board
NATOPS Pocket Checklist, NA 01-F14AAA-1B	Hard copy	6		On board
Tactical Manual, NA 01-F14AAA-1.1T	Hard copy	6		On board
NATOPS Flight Manual Navy Model F/A-18A/B/C/D, A1-F18AC-NFM-000	Hard copy	6		On board
NATOPS Pocket Checklist, A1-F18AC-NFM-500	Hard copy	6		On board
Tactical Manual, A1-F18AC-TAC-000	Hard copy	6		On board
Tactical Manual Pocket Guide, A1-F18AC-TAC-300	Hard copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NATTC
LOCATION, UIC: NAS Pensacola, 63082
CIN, COURSE TITLE: C-646-2011, Aviation Ordnance Common Core Class A1
 C-646-2012, Aviation Ordnance Airwing Strand Class A1
 C-646-2013, Aviation Ordnance Weapons Department Strand Class A1

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8		On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA 01-F14AAA-75	Hard copy	8		On board
Conventional Weapons Checklist, NA 01-F14AAA-75-21	Hard copy	8		On board
Stores Reliability Card, NA 01-F14AAA-75-21.1	Hard copy	8		On board
Ship Weapon Installation Manual, AIM-7 NA 11-120-40	Hard copy	8		On board
Airborne Weapons Assembly Manual, NA 11-140-6.1	Hard copy	8		On board
Armament Weapons Support Equipment, NA 11-140-25	Hard copy	8		On board
Approved Handling Equipment for Weapons and Explosives, NA 19-100-1.2 (OP-2173)	Hard copy	8		On board
Armament Weapons Handling Equipment (Shipboard), NA 19-100-2	Hard copy	8		On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 1039 NAMTRAGRUDET
LOCATION, UIC: NAS Cecil Field, 66050
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System Initial Organizational Maintenance
 C-646-9974, F/A-18 Stores Management System Career Organizational Maintenance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8		On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8		On board

TRAINING ACTIVITY: MTU 1038 NAMTRAGRUDET
LOCATION, UIC: NAS Lemoore, 66060
CIN, COURSE TITLE: C-646-9973, F/A-18 Stores Management System (Initial) Organizational Maintenance
 C-646-9974, F/A-18 Stores Management System Organizational Maintenance (Career)

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8		On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: Strike Fighter Weapons School Atlantic
LOCATION, UIC: NAS Cecil Field, 47084
CIN, COURSE TITLE: D-646-0640, F/A-18 Conventional Weapons Loading
 D-646-0647, F/A-18 Conventional Release System Test

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8		On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8		On board

TRAINING ACTIVITY: Strike Fighter Weapons School Pacific
LOCATION, UIC: NAS Lemoore, 35185
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading
 E-646-0647, F/A-18 Conventional Release System Test

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8		On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 1007 NAMTRAGRUDET
LOCATION, UIC: NAS Oceana, 66045
CIN, COURSE TITLE: C-646-9962, F-14A/B Armament Systems Initial Organizational Maintenance
 C-646-9963, F-14A/B Armament Systems Career Organizational Maintenance
 C-646-9906, F-14D Armament Systems Organizational Maintenance (Difference)

AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8	On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8	On board
Airborne Weapons/Stores Loading Manual, NA 01-F14AAA-75	Hard copy	8	On board
Conventional Weapons Checklist, NA 01-F14AAA-75-21	Hard copy	8	On board
Stores Reliability Card, NA 01-F14AAA-75-21.1	Hard copy	8	On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8	On board

TRAINING ACTIVITY: Strike Weapons And Tactic School Atlantic
LOCATION, UIC: NAS Oceana, 47084
CIN, COURSE TITLE: D-646-1644, F-14A/B Conventional Weapons Loading
 D-646-1645, F-14A/B Integrated Weapons Team Refresher Training
 D-646-1646, F-14D Conventional Weapons Loading
 D-646-1648, F-14D Integrated Weapons Team Refresher Training

AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8	On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8	On board
Airborne Weapons/Stores Loading Manual, NA 01-F14AAA-75	Hard copy	8	On board
Conventional Weapons Checklist, NA 01-F14AAA-75-21	Hard copy	8	On board
Stores Reliability Card, NA 01-F14AAA-75-21.1	Hard copy	8	On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8	On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4030 NAMTRAGRUDET
LOCATION, UIC: NS Mayport, 66069
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance
 C-646-4108, Air Launched Weapons Ordnance Supervisor
 C-646-4109, Weapons Department General Ordnance

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8		On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8		On board
Ship Weapon Installation Manual, AIM-7 NA 11-120-40	Hard copy	8		On board
Airborne Weapons Assembly Manual, AIM-7 NA 11-140-6.1-1	Hard copy	8		On board
Armament Weapons Support Equipment, NA 11-140-25	Hard copy	8		On board
Approved Handling Equipment for Weapons and Explosives, NA 19-100-1.2 (OP-2173)	Hard copy	8		On board
Armament Weapons Handling Equipment (Shipboard), NA 19-100-2	Hard copy	8		On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume I NA 11-120A-1.1	Hard copy	8		On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume II NA 11-120A-1.2	Hard copy	8		On board
Ammunition and Explosives Afloat, NAVSEA OP-4	Hard copy	8		On board
Ammunition and Explosives Ashore, NAVSEA OP-5	Hard copy	8		On board
Intermediate/Depot Maintenance with IPB, Sparrow Shipping and Storage Containers, all MKs and MODs, NA 11-75AIM7-1	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4032 NAMTRAGRUDET
LOCATION, UIC: NAS Norfolk, 66046
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance
 C-646-4108, Air Launched Weapons Ordnance Supervisor
 C-646-4109, Weapons Department General Ordnance

AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8	On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8	On board
Ship Weapon Installation Manual, AIM-7 NA 11-120-40	Hard copy	8	On board
Airborne Weapons Assembly Manual, AIM-7 NA 11-140-6.1-1	Hard copy	8	On board
Armament Weapons Support Equipment, NA 11-140-25	Hard copy	8	On board
Approved Handling Equipment for Weapons and Explosives, NA 19-100-1.2 (OP-2173)	Hard copy	8	On board
Armament Weapons Handling Equipment (Shipboard), NA 19-100-2	Hard copy	8	On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8	On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume I NA 11-120A-1.1	Hard copy	8	On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume II NA 11-120A-1.2	Hard copy	8	On board
Ammunition and Explosives Afloat, NAVSEA OP-4	Hard copy	8	On board
Ammunition and Explosives Ashore, NAVSEA OP-5	Hard copy	8	On board
Intermediate/Depot Maintenance with IPB, Sparrow Shipping and Storage Containers, all MKs and MODs, NA 11-75AIM7-1	Hard copy	8	On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4033 NAMTRAGRUDET
LOCATION, UIC: NAS North Island, 66065
CIN, COURSE TITLE: C-122-3111, Air Launched Guided Missiles Intermediate Maintenance
 C-646-4108, Air Launched Weapons Ordnance Supervisor
 C-646-4109, Weapons Department General Ordnance

AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8	On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8	On board
Ship Weapon Installation Manual, AIM-7 NA 11-120-40	Hard copy	8	On board
Airborne Weapons Assembly Manual, AIM-7 NA 11-140-6.1-1	Hard copy	8	On board
Armament Weapons Support Equipment, NA 11-140-25	Hard copy	8	On board
Approved Handling Equipment for Weapons and Explosives, NA 19-100-1.2 (OP-2173)	Hard copy	8	On board
Armament Weapons Handling Equipment (Shipboard), NA 19-100-2	Hard copy	8	On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8	On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume I NA 11-120A-1.1	Hard copy	8	On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume II NA 11-120A-1.2	Hard copy	8	On board
Ammunition and Explosives Afloat, NAVSEA OP-4	Hard copy	8	On board
Ammunition and Explosives Ashore, NAVSEA OP-5	Hard copy	8	On board
Intermediate/Depot Maintenance with IPB, Sparrow Shipping and Storage Containers, all MKs and MODs, NA 11-75AIM7-1	Hard copy	8	On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VMAT-203 FREST
LOCATION, UIC: MCAS Cherry Point, 45483
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

AIM-7 Sparrow Technical Manual List, NA 01-265GMA-0	Hard copy	8	On board
AIM-7, AIM-9, AIM-54, and AIM-120 Guided Missile Work Unit Code Manual, NA A1-AIM AA-WUC-800	Hard copy	8	On board
Ship Weapon Installation Manual, AIM-7 NA 11-120-40	Hard copy	8	On board
Airborne Weapons Assembly Manual, AIM-7 NA 11-140-6.1-1	Hard copy	8	On board
Armament Weapons Support Equipment, NA 11-140-25	Hard copy	8	On board
Approved Handling Equipment for Weapons and Explosives, NA 19-100-1.2 (OP-2173)	Hard copy	8	On board
Armament Weapons Handling Equipment (Shipboard), NA 19-100-2	Hard copy	8	On board
Fleet/NAS/FMF Organizational/Intermediate Maintenance, Sparrow III Guided Missile, AIM-7 all Models, NA 01-265GMAD-9-4	Hard copy	8	On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume I NA 11-120A-1.1	Hard copy	8	On board
Airborne Weapons Packaging/Handling/Stowage (Shipboard), Volume II NA 11-120A-1.2	Hard copy	8	On board
Ammunition and Explosives Afloat, NAVSEA OP-4	Hard copy	8	On board
Ammunition and Explosives Ashore, NAVSEA OP-5	Hard copy	8	On board
Intermediate/Depot Maintenance with IPB, Sparrow Shipping and Storage Containers, all MKs and MODs, NA 11-75AIM7-1	Hard copy	8	On board
Expeditionary Airfield Tactical Weapons Support Equipment, AG-000AO-MEB-000	Hard copy	8	On board
Armament Weapons Support Equipment Intermediate Maintenance with IPB, NA 19-100-3	Hard copy	8	On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: NAVSCOLEOD
LOCATION, UIC: NAVSURFWARCEN Indian Head, 62640
CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy)
 A-431-0012, EOD Phase II

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	150		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA 01-F14AAA-75	Hard copy	8		On board
Conventional Weapons Checklist, NA 01-F14AAA-75-21	Hard copy	8		On board

TRAINING ACTIVITY: EODTEU ONE
LOCATION, UIC: NAS Barbers Point, 30202
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	4		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA 01-F14AAA-75	Hard copy	8		On board
Conventional Weapons Checklist, NA 01-F14AAA-75-21	Hard copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: EODTEU TWO
LOCATION, UIC: Fort Story, 43505
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training

<u>TECHNICAL MANUAL TITLE, NUMBER</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	4		On board
Airborne Weapons/Stores Loading Manual, NA A1-F18AC-LWS-000	Hard copy	8		On board
Conventional Weapons Checklist, NA A1-F18AC-LWS-520	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, A1-F18AE-LWS-000	Hard copy	8		On board
Airborne Weapons/Stores Loading Manual, NA 01-F14AAA-75	Hard copy	8		On board
Conventional Weapons Checklist, NA 01-F14AAA-75-21	Hard copy	8		On board

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PMA205	Commence analysis of manpower personnel and training requirements (HARDMAN)	June 86	Completed
OPNAV N889H	Approve and Promulgate NTP	August 87	Completed
OPNAV N889H	Approve and Promulgate NTP	August 89	Completed
OPNAV N889H	Approve and Promulgate NTP	August 87	Completed
PMA259	AIM-7P Block II Fleet Introduction	January 1993	Completed
OPNAV N889H	Approve and Promulgate NTP	November 94	Completed
PMA259	AIM/RIM-7R Development Program Halted	December 96	Completed
PMA205	Promulgate Draft NTSP for Fleet Comment	August 97	Completed
OPNAV N889H	Approve and Promulgate NTSP	May 98	Completed

PART VI - DECISION ITEMS/ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
Remove AIM/RIM-7R requirements from NTSP	PMA205-5F	July 97	Closed
Identify squadron proficiency training requirements, e.g., CATM, in Draft NTSP	PMA205-5F	July 97	Closed

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	PHONE: NUMBER COMMERCIAL/DSN, FAX: COMMERCIAL/DSN, INTERNET ADDRESS
LCDR J. O. Stutz CNO N880C7	OPNAV Resource Sponsor	(703) 695-1841, DSN 225 (703) 693-8823, DSN 223 (fax) stutz.james@hq.navy.mil
MAJ R. Rowland CNO N881C8	Naval Airborne Weapons Maintenance Program Officer	(703) 604-7773, DSN 664 (703) 604-6977 (fax) rowland.raymond@hq.navy.mil
MAJ G. Graham CMC APW	Marine Corps Program Sponsor	(703) 614-1824, DSN 224
MAJ F. Simonds MCCDC C5325A	Aviation Combat Element	(703) 784-6241, DSN 278 simonds_jrf@mqg-smtp3.usmc.mil
CAPT F. J. Smith CNO N889H	Aviation Technical Training	(703) 604-7730, DSN 664 (703) 604-6939 (fax) smith.frank@hq.navy.mil
MSGT D. Anderson CNO N889H6	NTSP Policy	(703) 604-7722, DSN 664 (703) 604-6939 (fax) anderson.david@hq.navy.mil
AZC(AW) S. Dean CNO N889H7	NTSP Manager	(703) 604-7714, DSN 664 (703) 604-6939 (fax) dean.scott@hq.navy.mil
LCDR J. Hines CNO N125	Total Force Programming, Manpower and Information Resource Management Division	(703) 614-5231, DSN 224 (703) 614-5308 (fax) n125@bupers.navy.mil
LCOL W. Robinette CMC ASL-30	Aviation Ordnance Officer	(703) 614-1133, DSN 224 (703) 697-7343 (fax), DSN 227 robinette_jrw@mqg-smtp3.usmc.mil
LCDR Crane NAVMAC Code 30	Aviation Manpower	(901) 874-5894, DSN 882 (901) 874-7125 (fax) nkmh1@navtap.navy.mil
CDR Clay BUPERS PERS-221C	Aviation Mechanical, Enlisted Plans and Career Management Division, Community Manager	(703) 695-3780, DSN 225 (703) 614-6502 (fax), DSN 224 p221c@bupers.navy.mil
LT Bailey BUPERS PERS-404C	Aviation Ordnance Rating Assignment Officer	(703) 693-1381, DSN 223 (703) 693-1392 (fax) p404c@bupers.navy.mil
MAJ J. Egan MCCDC TFS Division C-5301	Deputy Director, Total Force Structure Division	(703) 784-5478, DSN 278 (703) 784-4914 (fax)
CAPT T. MacKenzie NAVAIRSYSCOM PMA259	AAM Program Manager	(301) 757-7311, DSN 757 (301) 757-7310 (fax) mackenziet.jfk@navair.navy.mil

PART VII - POINTS OF CONTACT

NAME, ACTIVITY, CODE	FUNCTION	PHONE: NUMBER COMMERCIAL/DSN, FAX: COMMERCIAL/DSN, INTERNET ADDRESS
Mr. V. Cronauer NAVAIRSYSCOM PMA259H/J	Sparrow Deputy Program Manager	(301) 757-7494, DSN 757 (301) 757-7487 (fax) cronauervt.jfk@navair.navy.mil
Mr. S. Haselbarth NAVAIRSYSCOM PMA259E	Sparrow FMS Program Manager	(301) 757-7493, DSN 757 (301) 757-7487 (fax) haselbarthss.jfk@navair.navy.mil
Mr. R. White NAVAIRSYSCOM PMA259E4	Sparrow NATO Program Manager	(301) 757-7479, DSN 757 (301) 757-7487 (fax) whiterw.jfk@navair.navy.mil
Mr. B. Long NAVAIRSYSCOM PMA205-3J	Sparrow Training System Manager	(301) 757-8104, DSN 757 (301) 757-6941 (fax) longwf.jfk@navair.navy.mil
Mr. C. Lewis NAWCWD CL 341000D	Technical Training Support	(760) 939-4623, DSN 437 (760) 927-1155 (fax) chuck_w_lewis@mfg-smtp.chinalake.navy.mil
Mr. R. Phillips NAVAIRSYSCOM AIR-3.1.1L	Assistant Program Manager, Logistics	(301) 757-7502, DSN 757 (301) 757-7487 (fax) phillipsr.jfk@navair.navy.mil
Mr. W. Crockford NAVAIRSYSCOM AIR-4.1.7	Sparrow Class Desk	(301) 757-7501, DSN 757 (301) 757-7487 (fax) crockfordwh.jfk@navair.navy.mil
Mr. D. Duncan NAWCWD CL 321000D	Sparrow Logistics Manager	(760) 939-5909, DSN 437 (760) 939-1015, (fax) DSN 437 don_duncan@mllngw.chinalake.navy.mil
Mr. P. Bunting NAWCWD CL 486100E	Sparrow Lead Systems Engineer	(760) 939-4711, DSN 437 (760) 989-5087 (fax) paul_bunting@mllngw.chinalake.navy.mil
LT Noel NAVSCOLEOD CIS	EOD Curriculum Officer	(301) 743-4341, DSN 354 (301) 743-4142 (fax) noel0619.eods@smtphost.ih.navy.mil
PO Tamariz NAVSCOLEOD CIS4	EOD Weapons Acquisition and Training Aids Acquisition	(301) 743-4763, DSN 354 (301) 743-4142 (fax) tama7942.eods@smtphost.ih.navy.mil
SSGT Thornton NAVSCOLEOD DET Eglin, AFB	EOD Weapons Acquisition and Training Aids Acquisition	(850) 882-8791, DSN 872 (850) 882-9519 (fax)
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